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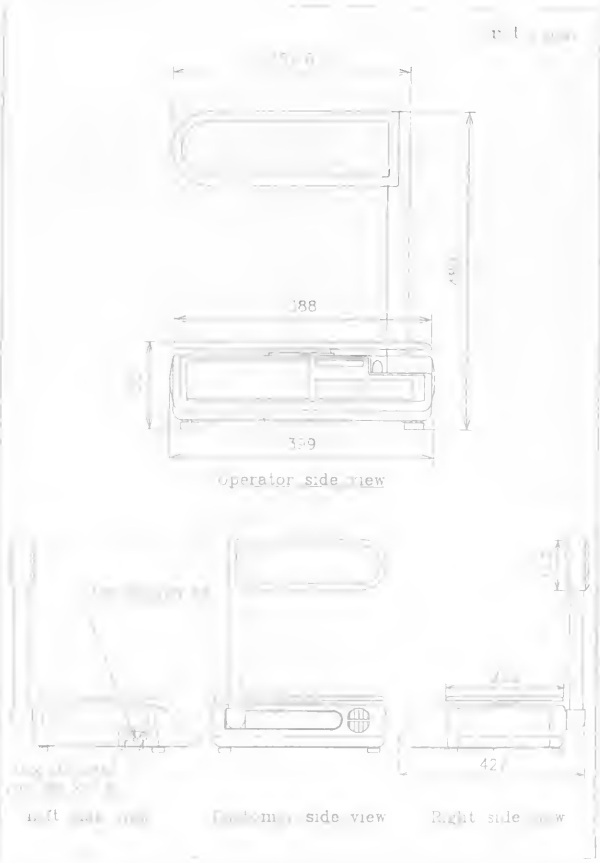
1.0 GENERAL SPECIFICATION

POWER	AC SUPPLY [illegible]
DISPLAY	DOUBLE- SIDED DISPLAY PANEL WEIGHT DISPLAY 5 DIGITS UNIT PRICE DISPLAY 6 DIGITS TOTAL PRICE DISPLAY --- 7 DIGITS
OPERATING TEMPERATURE	[illegible]
OPERATING HUMIDITY	[illegible] 85 [illegible]
OPERATING FREQUENCY	[illegible] HZ
DIMENSION (SCALE)	[illegible] X (D) 385 X (H) [illegible]
DIMENSION (PLATFORM)	[illegible] 188 X (D) 272 [illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	THERMAL HEAD
[illegible]	SLIDE CASSETTE TYPE LABEL [illegible] WIDTH (MAX RECEIPT CONTINUOUS PRINT [illegible] [illegible] WIDTH
[illegible]	[illegible] 8 FREE FORMATS
[illegible]	[illegible]
[illegible]	[illegible] MASTER SATELLITE SYSTEM [illegible] IBM AT KEYBOARD [illegible] FLOPPY DISK DRIVE [illegible] [illegible] DATA RECORDER (DR [illegible] [illegible] MULTI DROP (4 LINE [illegible] [illegible] PC COMMUNICATION RS [illegible] [illegible] MEMORY EXPANSION [illegible]

1.1 External View



1.2 KEY FUNCTION

1.21 Operation Keys

A) [1] to [66] PRESET KEYS (for A model)

[1] to [30] PRESET KEYS (for N model)

* Used to call up preset data in REG Mode
* Used to program commodity description, commercial message, shop name and store information in PGM Mode
* Preset keys can be used as alphabetic keys as shown "Standard layout of alphabetic keys"
* Preset keys can be used as clerk key after they were assigned in PGM Mode

[0] to [9] NUMERIC KEYS

* Used to enter the data, PLU No. and digital tare value in REG Mode
* Used to program the data in PGM Mode
* Used to enter report No. in X Mode
* Used to program the data in Z Mode

[CL] CLEAR KEY

* Used to correct the data entry
* Used to clear total data in X/Z Mode

D) (T) TARE KEY

* Used to set and clear the tare value in REG Mode

E) +A +B +C +D PLUS KEYS

* Used to perform a multi-operator customer service in REG Mode. With the ability to total multiple transaction, the scale issues a customer receipt listing all the details of each transaction

F) X MULTIPLICATION KEY

* Used to perform multiple transaction in REG Mode

* Used to create the mode for programming PLU data, Shop name, Commercial message, Special message, Advertise, Ingredient, Text, Clerk and Date

G) VOID CORRECTION KEY

* Used to perform data correction in Sub total Mode

H) RE ZERO RE ZERO KEY

* Used to adjust the zero point

I) 1/4 1/2

* Used to multiply PRICE/LB by 2 or 4

J) [ ] and [PLU] - PLU KEY

* Used to program the data in PGM Mode

* Used to call up the data in REG Mode

K) [→] - FEED KEY

* Used to advance the paper or label

L) [TOTAL] - TOTAL PRINT KEY

* Used to print the sales data in REG Mode

* Used to enter the data in PGM Mode

* Used to delete the report in X Mode

M) [ON/OFF] - ON OFF KEY

* Used to turn ON or OFF the display

N) [M] - MODE SELECT KEY

* Four Modes can be selected with this key. Passwords can be assigned for each
  1) R - **REGISTRATION MODE** (REG MODE)
     * All the sales transactions are performed in this mode
  2) X - **CHECK MODE** (X MODE)
     * Used to print out and sales reports
  3) S - **PROGRAM MODE** (PGM MODE)
     * Used to program preset data for products, data, shop name and commercial message
  4) Z - **TOTAL MODE** (Z MODE)
     * Used to clear sales data stored
     * Used to enter maintenance mode

– PRE-PACK KEY

- Toggle between PRE-PACK and MANUAL MODE
  1) M - MANUAL MODE
  2) P - PRE-PACK MODE

1.2.2 Status Indicators

There are fourteen different indicators on Display panel as shown below

1) ZERO - Lights when zero point is adjusted.
2) TARE - Lights when tare subtraction is being performed
3) P - Lights when PREPACK Mode has been selected
4) M - Lights when MANUAL Mode has been selected
5) A - Lights when memory is used for customer (A).
6) B - Lights when memory is used for customer (B).
7) C - Lights when memory is used for customer (C).
8) D - Lights when memory is used for customer (D).
9) AM - Lights when the amount is being displayed
10) CH - Lights when amount of change is being displayed
11) R - Lights when REG Mode was selected
12) X - Lights when CHECK Mode was selected.
13) S - Lights when PRG Mode was selected
14) T - Lights when TOTAL Mode was selected

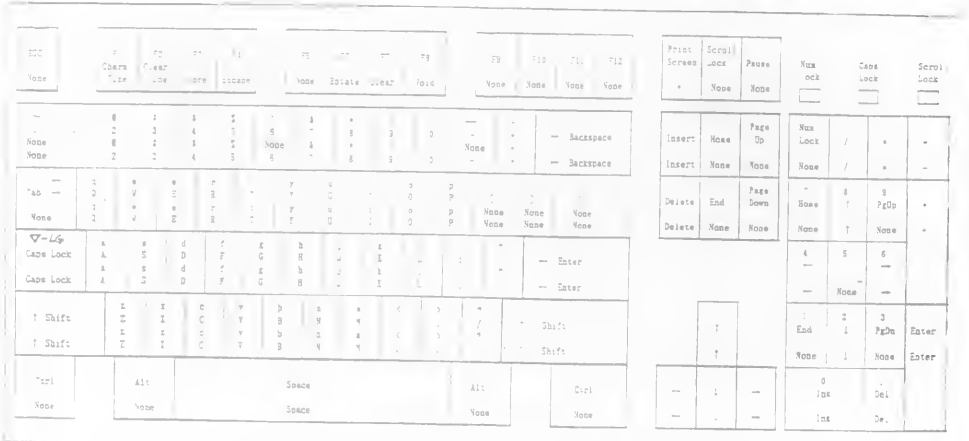
1.2.3. Standard Layout of Alphabetic Keys

Model with 66 Preset Keys (see following page) can be programmed using Preset Keys on keyboard, and there 6 function keys (Preset No. 10, 11, 54, 55, 65, 66)

No. 10 is to move the cursor to left
No. 11 is to move the cursor to right
No. 54 is to select insert or over write character
No. 55 is to change character code level
  A - Character Code 00-53
  B - Character Code 54-107
No. 65 is to select letter (character) size
No. 66 is to delete character

STANDARD LAYOUT OF ALPHABETIC KEYS
Models with 66 preset keys

56 – !	57 + @	58 < #	59 > $	60 = %	61 &	62 *	63 (	64)	65 SIZE	66 DEL
45 À ,	46 Â .	47 È /	48 È ;	49 É "	50 Ô .	51 Ç ?	52 :	53 0	54 INS	55 A/B
34 à 1	35 â 2	36 è 3	37 ê 4	38 é 5	39 ô 6	40 ç 7	41 8	42 9	43	44
23 r R	24 s S	25 t T	26 u U	27 v V	28 w W	29 x X	30 y Y	31 z Z	32	33
12 i I	13 j J	14 k K	15 l L	16 m M	17 n N	18 o O	19 p P	20 q Q	21	22
1 SPACE	2 a A	3 b B	4 c C	5 d D	6 e E	7 f F	8 g G	9 h H	10 <–	11 –>

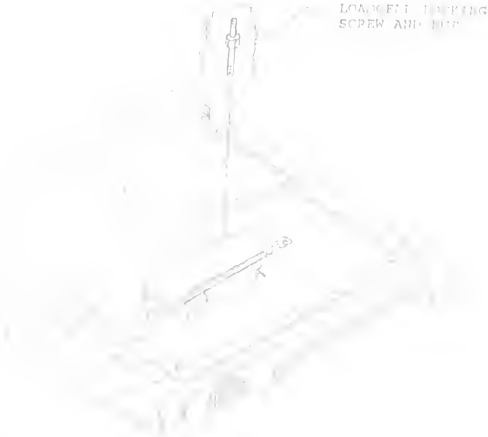


F1 = PRESET NO. 65 KEY (CHARACTER SIZE CHANGE)
F2 = PLU KEY (STORE)
F3 = ONE
F4 = C KEY (CLEAR)
F5 = TARE KEY (CLEAR LINE)
F6 = X KEY (ROTATE) (Key #10, #11)
F7 = - KEY (VOID)

1.3 SET UP

1.3.1 Remove the locking screw for Loadcell

The loadcell is locked with socket screw and nut during transportation. **Please remove the locking screw and nut during set up as shown in the following drawing!**



[illegible] release the loadcell.
[illegible]
[illegible] socket screw.

[illegible] mounting the loadcell.
[illegible] screw until it touches the loadcell.
[illegible]

NOTE: [illegible] calibration cannot be performed correctly, please check to [illegible] whether [illegible] the screw and nut has been removed.

1.3.2 Power on & Memory initialize

1.3.2.1 Power ON

Attach the AC plug to power source and turn on power switch. Power switch is located on the left side

Display shows "SEGMENT CHECK", "IDEX FILE/PLU FILE MAKE" for about 50 seconds, then display will be in normal operation mode as shown below

	WEIGHT	UNIT PRICE	TOTAL PRICE
ZERO NET	0.00	0.00	0.00
	P M	A B C D	AM CH PE R X S Z

⇦ or ⇨ = display's status indicator

1.3.2.2 Memory Initialize

1. Power ON while depressing the RE-ZERO and FEED key
2. Screen will display as below

	WEIGHT	UNIT PRICE	TOTAL PRICE
ZERO NET		CLr	
	P M	A B C D	AM CH PE R X S Z
		CLR MEMORY?	Y(C) / N(#)

3. Then press [C] key for "Yes" or depress [PLU(#)] key for "No" if necessary

1. After [CL] key is depressed, the screen will display as below

	WEIGHT	UNIT PRICE	TOTAL PRICE
ZERO NET	rCL		0
	P M	A B C D	AM CH PE R X S Z
SET RCT BUF 0-4 & #			

This will set the value of the Receipt buffer as below
0 : 10 , 1 : 50 , 2 = 100 , 3 = 150 , 4 = 200

2. For example, enter [1] to set the value of the Receipt buffer to 50 items, if Clerk operation is used and depress [PLU(#)] key to clear the memory

3. Screen will display as below for about 10 seconds

	WEIGHT	UNIT PRICE	TOTAL PRICE
ZERO NET	-------	-------	-------
	P M	A B C D	AM CH PE R X S Z
CLEARING PLEASE WAIT			

4. After a short time, the screen will start "SEGMENT CHECK" same as when power is turned ON

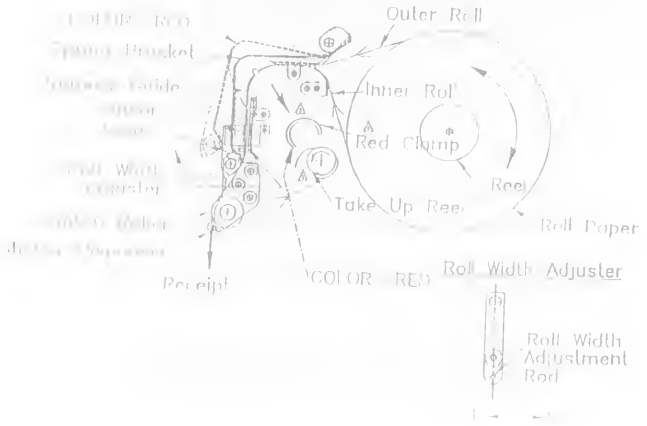
1.3.3 Default spec data setting

This is the method to set the predetermined specification Default data for SM-25

- Depress numeric keys [3] & [9] while Power is turned ON for default data setting after memory initialize

1.3.4 Set Receipt/Label

1. Pull out CASSETTE from the main unit.
2. Set roll on to REEL.
3. Lift up LEVER & swing SPRING BRACKET clockwise.
4. Set roll width to "L" by ROLL WIDTH ADJUSTER.
5. Set roll paper along RUNWAY GUIDE in the red arrow direction.
6. Wind the end of the paper around TAKE UP REEL.
7. Clamp the paper against TAKE UP REEL with RED CLAMP.
8. Adjust the width of the paper by ROLL WIDTH ADJUSTER.
9. Lift up LEVER & close SPRING BRACKET.
10. Set the CASSETTE in the main unit and depress PAPER FEED KEY. Completed if no error message appears.
11. In the case of receipt paper, adjust the width by ROLL WIDTH ADJUSTER then depress PAPER FEED KEY. Setting completed if "CASSETTE EMPTY" sign light off.



1.3.5 Thermal head checking

By depressing the feed key, the test pattern will print on the label or receipt as follow

If the printed position is not appropriate, please change by the following.
In REG mode, please enter **[5].[1].[4]** while depressing **[Re-zero]** key. The display will show as follows

	WEIGHT	UNIT PRICE	TOTAL PRICE
ZERO NET	PFd	0	0
	P M	A B C D	AM CH PE R X S Z
SET PREFEED A(+), C(-)			

□ = display's status indicator

To increase the label feed value setting, a positive number is used to move it up and a negative value to move it down. Please depress [+A] key to move up or [+C] key to move down, then enter value (0 ~ 99). Examples shown below

-20 position　　0 position　　+20 position

1.3.6All transaction data clear

Please clear all transaction data in SM-25 before using the first time. All transaction data can be cleared by the following method.

1. Depress [M] key to enter Z mode.
2. Enter [4],then depress [x] key.
3. Display shows as follows,

ZERO NET	WEIGHT Z4-	UNIT PRICE AL CLr	TOTAL PRICE
	P M	A B C D	AM CH PE R X S Z
CLR ALL? Y(C) / N(#)			

Please depress [C] key for "Yes", or depress [PLU(#)] key for "No" if necessary.

The first screen on Z mode appears after either of keys was depressed.

1.3.7Set Label type

To change to a different label type than the default setting, please enter [1],[4],[1] while depressing [Re-zero] key on Z mode. The display shows as follows.

ZERO NET	WEIGHT 0000	UNIT PRICE 0000	TOTAL PRICE SPEC0000
	P M	A B C D	AM CH PE R X S Z
SET 0/1 TO EACH SPEC			

For customer specifications,select label type according to the "SPECIFICATION LIST FOR LABEL TYPE" as listed in the Service Manual.

1.3.8 Date & Time

[illegible] quartz clock auto[illegible] updates date [illegible] time once they are set [illegible] parameters [illegible] using this procedure

Date (Month/Day/Year) 2 digits for each part
Time 4 digits

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
Stand by status		0.000	0.00	0.00						
1	M M	P1-	SCL	0						
		SET SCROLL #		0-4						
Select time and date programming mode	4 X		dAtE	000000						
		DATE	DATE & PRT							
3 Input [illegible] month	[illegible]	P14	dAtE	[illegible]						
		DATE	DATE & PRT							
4 [illegible]	[illegible]	P14	dAtE	[illegible]						
		DATE	DATE & PRT							
[illegible] year	[illegible]	P14-	dAtE	[illegible]						
		DATE	DATE & PRT							
Start [illegible]		P14-	tIME	[illegible]						
To enter [illegible] PM	*	TIME	TIME & #							
*[illegible]	[illegible]	P14-1	tIME	[illegible]						
[illegible] PM [illegible]		TIME	TIME & #							
8 *[illegible]	[illegible]	P14-1	tIME	1545						
[illegible]		TIME	TIME & #							
Start [illegible]	[illegible]	P14	dAtE	[illegible]						

2. PROGRAM MODE

2.1a GENERAL OPERATION

The following **explanations** and **precautions** should be followed prior to PLU programming.

A Clear memory and initialize scale (refer to Qualified Technician and/or Service Manual).

B The scale should be left in the **ON** position for **48 hours** to fully charge the back-up battery. The scale can be left **ON** with the display active or press the **ON/OFF** key on the keypad to the **OFF** position

C To advance to the programming sequence press the **MODE** key immediately followed by the **REZERO** key The scale will display **X** mode Press the **MODE** key and the scale will display **S-MODE: SET SCROLL 0-4.**

D To select a desired item from the programming sequence Select this item by entering the numeric value followed the **X** key or by pressing the **X** key until the item is indicated To program this item follow the steps indicated by the opertion chart

E DEPT/MAIN GROUP programming is only necessary for scale reports The scale will automatically default to preprogrammed code numbers

F If an item of the PLU data programming is not required, refer to Section 2.18 and delete this item Follow the steps indicated and delete one or more of the items not required in PLU data programming sequence

G PLU PROGRAMMING In **S-Mode** press the **X** key, the display will show **PLU# & PRT** Refer to Section 2.4.1-2.4.4 for proper operation Some explanations

1 (*) indicates **PRINT** key
2 The Keypad and Character Code list, Preset keys, IBM keyboard or Computer can be used for data entry
3 arrow indications refer to Preset key **#10, #11**
4 Preset key **#65** can be used to select character size
5 After scale initialization the scale will default to label Format **T5**; barcode active **PC/D**, character size **M3/S3**
6 Read the **ALPHA/NUMERIC** display and it will prompt you on what to do for each item To advance the PLU data sequence, press the **PRINT (*)** key and to step backwards, press the **VOID** key

H To escape the programming of any item at any time; press the 1/4 key The display will show **ESCAPE?: Y(C)/N(#)**

2.1b Data Files and Functions List

The main data listed below is programmed in PGM Mode

Weight Display	Key Operation	Data Files and Functions List	Paragraph
P1	1 X	Scroll Sequence	2.11 Scroll Sequence
P2	2 X	PLU File	2.4 Program PLU File
P3	3 X	Dept File	2.2.1 Department
P4	4 X	Main Group File	2.2.3 Main Group
P5	5 X	Key Assignment	2.5 Key Assignment
P6	6 X	Shop Name	2.6 Shop Name
P7	7 X	Special Message	2.7 Special Message
P8	8 X	Scroll Message File	2.10 Program Scroll Message File
P9	9 X	Advertisement Message File	2.12 Advertisement Message File
P10	10 X	Ingredient File	2.8 Ingredient File
P11	11 X	*Not use !*	
P12	12 X	Text File	2.9 Text File
P13	13 X	Clerk File	2.13 Clerk File
P14	14 X	Date/Time Program	2.3 Program Date/Time
P15	15 X	*Not used*	2.14 Weight Check
P16	16 X	Program/Skip Item Data	2.15 Program/Skip Item Data
P17	17 X	FIFS, IBM Keyboard	2.16 FIFS, IBM Keyboard
P18	18 X	Free Format Programming	2.19 Free Format File
P19	19 X	Print/Delete PLU Item Data	2.18 Print/Delete Item Data
P20	20 X	Displaying Number of Programmed & Remaining Programmable PLU	2.17 Displaying Number of Programmed & Remaining Programmable PLU
P21	21 X	Window Function	2.20 Window Function
P22	22 X	Master/Satellite Group Setting	2.21 Master/Satellite Setting

2.2 FILE EXPLANATION

Since the file relation ship between **DEPARTMENT, MAIN GROUP** and **PLU** are contructed as shown below, they have to be programmed in the following order

*** DEPARTMENT FILE**

DEPARTMENT file is the largest grouping of the item like MEAT, FISH, VEGETABLE, DELICATESSEN etc. MAIN GROUP(MG) files belong to under the DEPARTMENT FILE.

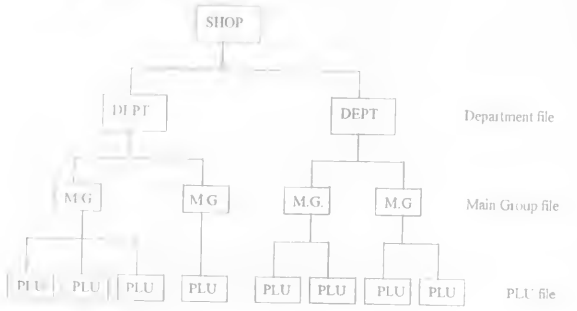
*** MAIN GROUP FILE**

MAIN GROUP file is the middle grouping of the item like BEEF, PORK, CHICKEN etc. PLU files belong to under the MAIN GROUP

*** PLU FILE**

PLU file is the smallest data file of the item like BEEF SLICE, BEEF SHOULDER, BEEF SIRLOIN etc

File relation ship



*) Notice in the 7 segment display; n means "M" and u means "W".

2.2.1 Department

Department is the largest category of the item. All the MAIN GROUP must belong to this file

2.2.1.1 Program Dept. File

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
Stand-by-status		0 000	0.00	0.00						
1 Enter PGM mode	Ⓜ Ⓜ	P1-	SCL	0						
		SET SCROLL # 0 - 4								
2 Select Department Programming	3 X	P3-	dPt	0						
		DPT DEPT # & PRT								
3 Enter Department Code EX "11"	1 1	P3-	dPt							
		DPT DEPT # & PRT								
4 Store Department the Code data	★	d01 01	A - -	0 16						

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
1 Enter DEPT name "MEAT" for DEPT CODE "11"	1 1 for M	d01 02	A - 13 -	0 15						
		M								
	0 5 for F	d01 03	A - 05 -	0 14						
		ME								
	0 1 for A	d01 04	A - 01 -	0 13						
		MEA								
	2 0 for T	d01 05	A - 20 -	0 12						
		MEAT								
2 Store Department data Ex "MEAT" for "11"	★ PLU	P3-	dPt	0						
		DPT DEPT # & PRT								
3 Enter Department Code EX "22"	2 2	P3-	dPt	22						
		DPT DEPT # & PRT								
4 Store Department the code data	★	d01 01	A - -	0 16						

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
1 Enter DEPT name 'FRUIT" for DEPT CODE "22"	(0)(6) for F	d01.02	A - 06 -	0 15						
		F								
	(1)(8) for R	d01.03	A - 18 -	0 14						
		FR								
	(2)(1) for U	d01.04	A - 21 -	0 13						
		FRU								
	(0)(9) for I	d01.05	A - 09 -	0 12						
		FRUI								
	(2)(0) for T	d01.06	A - 20 -	0 11						
		FRUIT								

*) The DEPT CODE is 2 digits max

*) DEPT name is Department name This name doesn't print on the label/receipt but is used reporting max 16 letters avaliable

2.2.1.2 Delete Dept. File

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
1	(3) [X]	P3-	dPt	0						
		DPT. DEPT. # & PRT								
2 Delete DEPT CODE "12" for 'MEAT"	(1)(2)	P3-	dPt	12						
		DPT. DEPT. # & PRT								
3 "12" was wrong Error sounds	[<-16]	P3-	dPt	12						
		DEPT. NOT FOUND								
4 Delete DEPT CODE "11" for MEAT	(1)(1)	P3-	dPt	11						
		DPT. DEPT. # & PRT								
Delete the data	[<#]		dELEte							
		DELETE ?. Y(C) / N(#)								
Select "C" for YES	(C)	P3-	dPt	0						
		DPT. DEPT. # & PRT								

*) When the MAIN GROUP FILE exists under the DEPT FILE, the DEPT CODE can not be deleted DEPT 97 can not be deleted

2.2.3 Main Group

The M G CODE is 3 digits max Max 16 letters available MAIN GROUP is the middle category of the item All the PLU must belong to this file. The STATUS programmed in the MAIN GROUP are automatically assigned in the PLU when PLU programming

2.2.3.1 Program Main Group File

OPERATION	KEYS	DISPLAY	L 1	L 2	L 3	L 4	L 5	L 6
1		WEIGHT | UNIT PRICE | PRICE P1- | SCL | 0 SET SCROLL # 0 - 4						
2 Select Main Group Message Programming	(4) [X]	P4- | MG | 0 MG MG # & PRT						
3 Enter Main Group Code (Ex "111")	(1) (1) (1)	P4- | MG | 111 MG MG # & PRT						
4 Select Department Code *1)	[★]	P4-1 | dp | 97 MG DEPT # & PRT/#						
5 Enter Department Code Ex "11"	(1) (1)	P4-1 | dp | 11 MG DEPT # & PRT/#						
6 Store MG Code data Ex "111	[★]	M01 01 | A - - | 0 16						

*1) Each M G CODE must be linked to the existing DEPT CODE DEPT CODE 97 is automatically assigned if not specified

Note) n means "M

continued

2.2.3.1 Program Main Group File

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
1 Enter MG name "BEEF" for MG CODE "111"	(0)(2) for B	M01.02	A - 02 -	0 15						
		B								
	(0)(5) for E	M01.03	A - 05 -	0 14						
		BE								
	(0)(5) for E	M01 04	A - 05 -	0 13						
		BEE								
	(0)(6) for F	M01 05	A - 06 -	0 12						
		BEEF								
2 Store MG Code data Ex "BEEF" for "111"	CODE # PLU	P4-	MG	0						
		MG: MG # & PRT								

*) The M G CODE is 3 digits max

*) M G name is Main group name. This name doesn't print on the label/receipt but is used when reporting max 16 letters available

2.2.3.2 Delete Main Group File

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
1	(4) X	P4-	MG	0						
		MG: MG # & PRT								
2 Delete M G CODE "111" for "BEEF"	(1)(1)(1)	P4-	MG	111						
		MG: MG # & PRT								
3 Delete the data	–		dELEtE							
		DELETE ?. Y(C) / N(#)								
4 Select "C" for "YES"	(C)	P4-	MG	0						
		MG: MG # & PRT								

*) When the PLU FILE exists under the M G FILE, the M G. CODE can not be deleted

*) The M G CODE "997" can't be deleted

2.4 PLU Programming

2.4a PLU File

[illegible]

DISPLAY WEIGHT	PLU File (weighing Item)	PLU File (non-weighing Item)
P2-	PLU #	PLU #
P2 1	Unit Price (6 digits)	Selection for Unit Price Menu Unit Price
P2 2	Label Format	Label Format
P2 3	Bar Code Type	Bar Code Type
P2 4	Item Code #	Item Code #
P2 5	Flag data	Flag data
P2 6	Main Group #	Main Group #
P2 7	Sell by date	Sell by date
P2 8	Use by date	Use by date
P2 9	Print PACKED DATE or not	Print PACKED DATE or not
P2 10	Print SELL BY DATE or not	Print SELL BY DATE or not
P2 11	Cost price	Cost price
P2 12	Tare weight	NOT USED
P2 13	NOT USED	Unit Symbol
P2 14	NOT USED	Quantity
P2 15	NOT USED	NOT USED
P2 16	Special Message #	Special Message #
P2 17	Ingredient #	Ingredient No
P2 18	Nutrition Facts [illegible]	Nutrition Facts [illegible]
[illegible]	Commodity Name	Commodity Name
M01 [illegible]	Message data	Message data
G01 [illegible]	Ingredient data	Ingredient data

2.4b Messages on the Display

PLU# "PLU" is used to call the programmed data in the REG or PRESET mode Max 6 digits

UP - "UP" is UNIT PRICE. UNIT PRICE is used to calculate the price to pay with the placed weight LB or PRICE/pc is selectable by Preset key "#10" or #11" Max 5 digits

L For - "L For" is the Print Format Number which uses for the label print operation. Select the the format by preset key "#10" or "#11"

Cd "Cd" is the item code of the bar code. Max 6 digits

MG "MG" is selectable MAIN GROUP code Max 3 digits Non-exist M G code No code No can not be used to assign

SEL "SEL" is SELL BY DATE Max 3 digits. SELL BY DATE is expiration a date for selling

Usd "USd" is USED BY DATE Max 3 digits USED BY DATE is the taste date for eating

COS "COS" is COST COST is the COST PRICE which is used to calculate the profit (not printable and displayable) The temporary cost price is automatically calculated when unit price and M G is assigned Max 5 digits. It must be less than the unit price

tAr "tAr" is TARE TARE is the Tare Weight which is used when weighing packages, and this operation is available when they have known weight Max 4 digits If not known, you have to place the tare weight on the platter and weigh it

SP "SP" is SPECIAL MESSAGE SPECIALS MESSAGE is the sub-information on the label If the selected label print format has the S MESSAGE print area, you can assign the special message from the list and print it out

InG "InG" is selectable INGREDIENT INGREDIENT is the food additives in the item such as seasonings, flavors, spice and etc If the selected label print format has the ingredient print area, you can assign the ingredient from the list and print it out

bAr "bAr" is the scannable bars to read out the Item Code, Unit Price and etc The default data of the USER SET UP is automatically assigned.

2.4.1 Program PLU File (weighing item)

This explanation is to set up PLU data in PGM mode. Refer to Program Mode explanations before the start of programming.

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
1. Select PLU data programming	(2) [X]	P2-	PLU	0						
		PLU PLU # & PRT								
2. Enter PLU No. Ex. "10"	(1) (0)	P2-	PLU	10						
		PLU PLU # & PRT								
3. Enter Unit Price Ex. "12.34"	[*] (1) (2) (3) (4)	P2-1	UP 1	12.34						
		PLU PRICE/LB & PRT/#								
4. Enter Label Format programming *1)	[*] (1) (7)	P2-2	L For	+5 11						
		LABEL FORMAT T5								
5. Enter Barcode type	[*]	P2-3	bar	1						
		B Type FFCCCCCSXXXXS								
6. Enter Item Code number Ex. 10010	[*] (1) (0) (0) (1) (0)	P2-4	cd	10010						
		PLU CODE # & PRT/#								
7. Flag Data (Defaults to "OZ")	[*]	P2-5	FLAG	2						
		PLU FLAG DATA & PRT/#								
8. Enter Main Group (optional)	[*]	P2-6	MG	997						
		PLU MG # & PRT / #								
9. Enter sell by date Ex. "12 days"	[*] (1) (2)	P2-7	SEL	12						
		PLU SELL DATE & PRT/#								
10. Enter use-by date	[*]	P2-8	Usd	12						
		PLU USE DATE & PRT/#								
11. Pack Date print 1-YES 0-NO	[*] (1)	P2-9	P date	1						
		PLU P-DATE Y(1)/N(0)								
12. Sell Date print 1-YES 0-NO	[*] (1)	P2-10	S.date	1						
		PLU S DATE Y(1)/N(0)								

*1) Print format in PLU programming mode

FORMAT #	FOR U1, CA
0	Not Used
1	A
2	B
3	C
4	U2
5	U3
6	U4
7	U5
8	U6
9	U7
10	U8
11	T5
12	T6
13	T7
14	T8
15	T9
16	T10
17	F1
18	F2
19	F3
20	F4
21	F5
22	F6
23	F7
24	F8

*1) [illegible] available only when Free Format is programmed.
[illegible] Format can be selected by Preset Key "10" and "11".

[illegible] 24 ⇨ 23 ⇨ 22 ⇨ 21 ⇨ 20 ⇨ 19 ⇨ 18 ⇨ 17 ⇨ 16 ⇨ 15 ⇨ 14 ⇨ 13 ⇨ 12 ⇨ 11 ⇨ 10 ⇨ 9 ⇨ 8 ⇨ 7 ⇨ 6 ⇨ 5 ⇨ 4 ⇨ 3 ⇨ 2 ⇨ 1 ⇨ 0

[illegible] 1 ⇨ 2 ⇨ 3 ⇨ 4 ⇨ 5 ⇨ 6 ⇨ 7 ⇨ 8 ⇨ 9 ⇨ 10 ⇨ 11 ⇨ 12 ⇨ 13 ⇨ 14 ⇨ 15 ⇨ 16 ⇨ 17 ⇨ 18 ⇨ 19 ⇨ 20 ⇨ 21 ⇨ 22 ⇨ 23 ⇨ 24 ⇨ 0

OPERATION	KEYS	DISPLAY			L1	L2	L3	L4	L5	L6
		WEIGHT	UNIT PRICE	PRICE						
13. Enter tare value Ex. "5"	★ 5	P2-12	tAr	0.05						
		PLU: TARE & PRT/#								
14. Enter SP number * (Special Message)	★	P2-16	SP	0						
		PLU: S. MESSAGE# & PRT/#								
15. Enter ING number * (Master Ingredient)	★	P2-17	InG	0						
		PLU: INGREDIENT # PRT/#								
16. Nutrition 1:YES 0:NO (Optional)	★	P2-22	nutri	0						
		PLU: NO NUTRITION								
17. Enter commodity data 1st line by large letters (12*)	★	C01 01	A- -	M30 20						
		BEEF SIRLOIN								
Select PLU No. 10 program commodity description data		C01 01	A- -	M30 26						
Enter commodity description data on 1st line of a label BEEF SIRLOIN (5*)	0 2 for B	S01 02	A - -	M30 25						
		B								
	0 5 for F	C01 03	A - -	M30 24						
		BE								
	• • •									
	1 5 for O	C01 11	A - -	M30 16						
		BEEF SIRLO								
	0 9 for I	C01 12	A - -	M30 15						
		BEEF SIRLOI								
	1 4 for N	C01 13	A - -	M30 14						
		BEEF SIRLOIN								
Store data on 1st line (Repeat for additional lines)	★	C01 01	A- -	M30 26						
18 *3)	★	n01 01	A- -	S10 0						
19. Ingredient program *3)	★	G01 01	A- -	S10 0						

(5*) Description data entry

ex *from page 28*

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
Enter commodity description data on 1st line of a label ex "BEEF SIRLOIN"	* (0)(2) for B or [5]	C01.02*	A - 02 - *	M30 25						
		B								
	(0)(5) for E or [6]	C01.03	A - 05 -	M30 24*						
		BE								
	• • • • • •									
	(1)(5) for L	C01.11	A - 15 -	M30 16						
		BEEF SIRLO								
	(0)(9) for I	C01.12	A - 09 -	M30 15						
		BEEF SIRLOI								

*Note: *Character code # of CHARACTER CODE LIST or Preset keys are used for alphabetical data entry in SM-25A.*

* C01.02 on WEIGHT Display
C01.02 shows the standing position of the commodity description data entry;
the 2nd letter of Commodity description data on the 1st line will be next programmed

* A - 02 - on UNIT PRICE Display
The above display shows that the letters on Panel "A" is programmed
Please SWITCH the panel by pressing Preset Key #55, for the entry of
the letters on Panel "a"

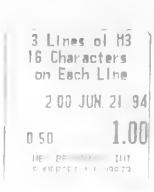
* M30 24 on TOTAL PRICE Display

M3 show Letter Size
Please CHANGE the letter size by pressing Preset Key # 65 to select your letter
which you want to use

0 shows the situation of "OVER RIDE" for the data entry
1 shows the situation of "INSERT" for the data entry
Please CHANGE the mode by pressing Preset Key #55, for your selection

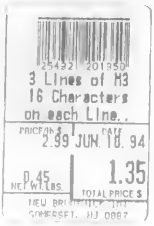
24 shows the number of the remaining programmable letters per line

LABEL FORMATS



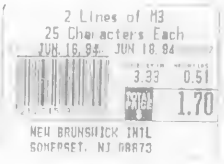
A

(40mm x 47mm)

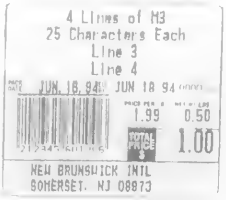


C

(40mm x 62mm)

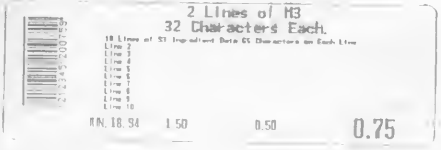


(60mm x 43mm)



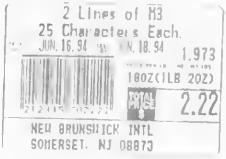
T 8

(60mm x 55mm)



U2

(40mm x 60MM)

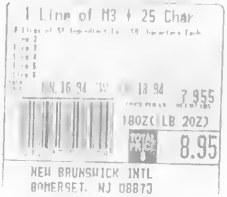


U3

(60mm x 43mm)

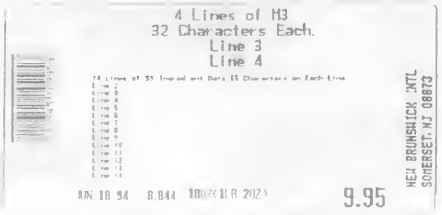
U5

(60mm x 95mm)



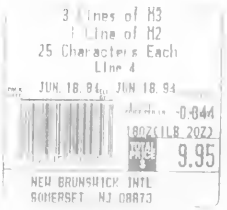
U4

(60mm x 55mm)



U6

(60mm x 120mm)



U7

(60mm x 95mm)

U8

(60mm x 95mm)

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
20 When (*) key was pressed-error message	*	Err		010						
		PRESS # TO STORE								
21 Store PLU data for PLU No 10	CLEAR PLU	P2	PLU							
		PLU PLU # & PRT								

2*) Letter size for label format

M1 ABCDEFGHIJKLMNOPQRSTUVWXYZ 123
M2 ABCDEFGHIJKLMNOPQRSTUVWXYZ
M3 ABCDEFGHIJKLMNOPQRSTUVW
M4 ABCDEFGHIJKLMNOPQRSTUVW
M5 ABCDEFGHIJKLMNOP

S1
S2
S3 ABCDEFGHIJKLMNOPQRSTUVWXYZ 1234567890
S4 ABCDEFGHIJKLMNOPQRSTUVWXYZ 123456
S5

Label format T5, T8 ,U3,U4,U5,U8

S1 70 — the smallest, 70 letters	M1 35 — middle size, 35 letters
S2 60 — smaller size, 60 letters	M2 30 — large size, 30 letters
S3 53 — small size, 53 letters	M3 26 — large size, 26 letters
S4 53 — small size, 53 letters	M4 26 — larger size, 26 letters
S5 38 — middle size, 38 letters	M5 19 — the largest, 19 letters

Label format A,B,C

S1 46 — the smallest, 46 letters	M1 23 — middle size, 23 letters
S2 40 — smaller size, 40 letters	M2 20 — large size, 20 letters
S3 35 — small size, 35 letters	M3 17 — large size, 17 letters
S4 35 — small size, 35 letters	M4 17 — larger size, 17 letters
S5 25 — middle size, 25 letters	M5 12 — the largest, 12 letters

Label format U7

S1 69 — the smallest, 69 letters	M1 34 — middle size, 34 letters
S2 59 — smaller size, 59 letters	M2 29 — large size, 29 letters
S3 51 — small size, 51 letters	M3 25 — large size, 25 letters
S4 51 — small size, 51 letters	M4 25 — larger size, 25 letters
S5 37 — middle size, 37 letters	M5 18 — the largest, 18 letters

Label format U2, U6

S1 86 — the smallest, 86 letters	M1 43 — middle size, 34 letters
S2 74 — smaller size, 74 letters	M2 37 — large size, 29 letters
S3 65 — small size, 65 letters	M3 32 — large size, 25 letters
S4 65 — small size, 65 letters	M4 32 — larger size, 25 letters
S5 47 — middle size, 47 letters	M5 23 — the largest, 18 letters

*3) Ingredient and Nutri Facts can not be programmed unless the proper label format is selected
An error beep will sound

2.4.2 Program PLU File (non weighing item)

Repeat the steps of para (2.4.1) except for unit price, type of quantity and quantity amount

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
1. Program data for PLU No. 20	(2) (0)	P2-	PLU	20						
		PLU: PLU # & PRT								
2. Enter PLU No.	[*]	P2-	uP 1	0.00						
		PLU: PRICE/Lb & PRT / #								
3. Select unit price menu for non weighing item	[10] or [11]	P2-1	uP 2	0.00						
		PLU: PRICE/PCS & PRT / #								
4. Enter unit price Ex. 0.50	(5) (0)	P2-2	uP 2	0.50						
		PLU: PRICE/PCS & PRT / #								
5. Label format.	[*]	P2-2	L. For	+5 11						
		LABEL FORMAT: T5								
6. Advance to "Unit Symbol" (Print 9 times)	[*]									
7. Enter Unit Symbol Ex. 2 for "FOR"	[*] (2)	P2-12	Unl	2						
		Q'TY UNIT FOR								
8. Enter "1" or "preset 10" to change Unit Symbol to "PCS" 4*	[.] or (1)									
9. Enter quantity Ex. "2"	[*]	P2-13	nEt	1						
		PLU: QUANTITY & PRT / #								

* 1) Unit Symbol:

1 - PCS	4 - LB
2 - FOR	5 - G
3 - KG	6 - OZ

Enter the desired number or preset key "#10" or "#11" to change Unit Symbol

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
10. Select PLU No. 20 to program commodity description		C01.01	A - -	M30 26						
Enter commodity description data on 1st line of label ORANGE	(1)(5) for O.	C01.02 O	A - 15 -	M30 25						
	(1)(8) for R	C01.03 OR	A - 18 -	M30 24						
	(0)(1) for A	C01.04 ORA	A - 01 -	M30 23						
	(1)(4) for N	C01.05 ORAN	A - 14 -	M30 22						
	(0)(7) for G	C01.06 ORANG	A - 07 -	M30 21						
	(0)(5) for E	C01.07 ORANGE	A - 07 -	M30 20						
Store data on 1st line	[*]	C02.01	A - -	S30 53						
Change letter size from small, middle, large	[65]	C02.01	A - -	S30 53						
Change letter size from small, middle, large	[65]	C02.01	A - -	S30 73						

2.4.3 Delete PLU File

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
1. Select PLU data programming	(2) [X]	P2- PLU: PLU & PRT	PLU	0						
2. Enter PLU No. to delete Ex. PLU No. 20	(2)(0)	P3- PLU: PLU & PRT	PLU	20						
3. Delete the data	[CLR]		DELETE	Y-I n-o						
4. Select "C" for YES	(C)	DELETE ?: Y(C) / N(#) P2- PLU: PLU# & PRT	PLu	0						

2.4.4 PLU Copy Function

The programmed PLU data can be easily copied into a new PLU. The function is very useful to save time or to avoid mistake for the similar data programming among PLU's, especially with long description of Ingredients

ex. PLU#15 is programmed with most of the data of PLU#10 already in memory

L5. S -- Programming Mode

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
1. Select PLU Data Programming Mode	(2) [X]	P2-	PLU	0					▽	
		PLU: PLU & PRT								
2. Enter a new PLU# ex. #15	(1)(5) [*]	P2-1	UP 1	0.00					▽	
		PLU: PRICE/KG & PRT/#								
3. Select PLU Copy Function Mode	[X]	P2-0	CoP	0					▽	
		PLU:COPY PLU# & PRT/#								
4. Enter the original PLU#10	(1)(0) [*]	P2-1	UP 1	12.34					▽	
		PLU:PRICE/KG & PRT/#								
5. Store a new data on PLU#15	[CODE / PLU]	P2-	PLU	0					▽	
		PLU: PLU# & PRT								

If requested, please enter new item data one by one according to item data displayed, after Operation Step 4 above

2.4.5 Print PLU File List

The function is used for cheking the PLU data programmed

L5. S - Programming Mode

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
1. Select PLU Programming Mode	(2) [X]	P2-	PLU	0					▽	
		PLU PLU# & PRT								
2. To print a PLU data ex. PLU# 1	(1) [T]	P2-	PLU	0					▽	
		PLU PLU# & PRT								
3. To Print all PLU data	(0) [T]	P2-	PLU	0					▽	
		PLU PLU# & PRT								

Note: To print out the data, please use receipt roll

2.4.6 Program Nutrifacts

Repeat the steps of para (2.4.1) until the display shows Nutrition programming

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
1 Select Nutrifacts programming		P2-22	nutri	0						
		PLU: NO NUTRITION								
2 Enter Nutrifacts	C ★	P2-22	nutri	1						
		PLU: PROGRAM NUTRITION								
3 Serving Size (Enter data)	★	n0101	A- -	0 0						
4 Serving Cont	★	P2-23	ServCo	0						
		PLU: SERVING/CONTAINER								
5 Enter Amount (Ex 22)	2 2	P2-23	ServCo	22						
		PLU: SERVING/CONTAINER								
6 Calories	★	P2-24	CaLorI	0						
		PLU: CALORIES								
7 Enter Amout (Ex 55)	5 5	P2-24	CaLorI	55						
		PLU: CALORIES								
8 Enter Values for grams and % as necessary	★									
		See Note 1								
9 Selection of Template type (Note 2)	10 or 11	P2-47	tEmP	0						
		PLU: NUTRI-TEMP STD								
10 Commodity description	★	C01.01	A- -	n30 26						
11 End Nutrifacts	CLEAR # PLU	P2	PLU	0						
		PLU: PLU # & PRT								

NOTE 1 ... enter the preceding g or % values for the following items. When the PRINT key is pressed each item will appear. To enter a (.) point for g/mg press the T key.

CALORIES FROM FAT	FIBER (G)
TOTAL FAT (G)	FIBER (%)
TOTAL FAT (%)	SUGARS (G)
SATURATED FAT (G))	PROTEIN (G)
SATURATED FAT (%)	VITAMIN A (%)
CHOLESTEROL (MG)	VITAMIN C (%)
CHOLESTEROL (%)	CALCUIM (%)
SODIUM (MG)	IRON (%)
SODIUM (%)	THIAMIN (%)
TOTAL CARBO (G)	RIBOFLAVIN (%)
TOTAL CARBO (%)	NIACIN (%)

Note 2 When Preset key #10 or #11 is pressed the various Nutrition Templates are available

STD - Standard	STD CO - Standard Condensed
SIM - Simplified	TABUI - Tabular
S COND - Simplified Condensed	TBEX C - Tabular Extra Condensed

2.5 KEY ASSIGNMENT

KEY ASSIGNMENT is the Clerk key, PLU Preset, and Function key assignment. You can assign the Clerk keys and function keys freely and also assign a PLU to a preset key.

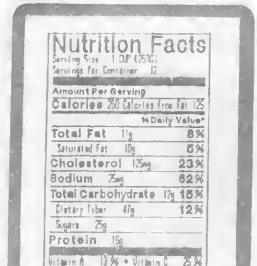
2.5.1 PLU Assignment

The PLU data can be assigned to the preset key as a speed key to call up the PLU data quickly.

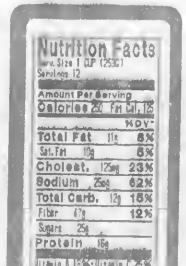
OPERATION	KEYS	DISPLAY			L1	L2	L3	L4	L5	L6
		WEIGHT	UNIT PRICE	PRICE						
1. S Mode	(M) (M)	P1-	SCL	0						
		SET SCROLL # : 0 - 4								
2. Select preset key assignment	(5) X	P5-	PS ASn	0						
		K ASN PLU# & PS KEY								
3. Enter PLU No. 10 data to preset key 1	(1) (0)	P5-	PS ASn	10						
		K ASN PLU# & PS KEY								
4. Store data for preset key No. 1		P5-	PS ASn	0						
		K ASN PLU# & PS KEY								
5. Select PLU data programming	(2) X	P2-	PLU	0						
		PLU PLU# & PRT								

*) Repeat the second and third steps to assign other PLU Nos. to preset keys.

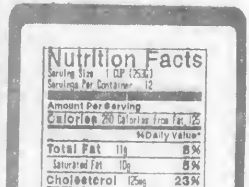
NBI SM-70/SM-25 NUTRITIONAL FORMATS



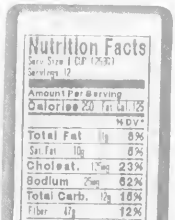
STANDARD



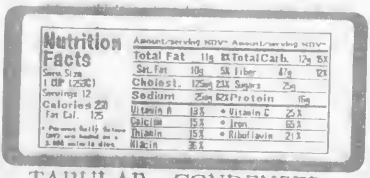
STANDARD CONDENSED



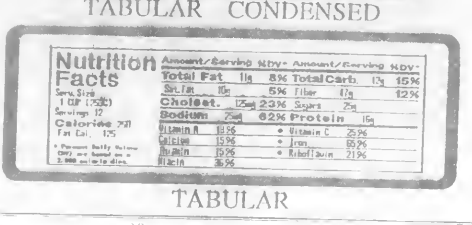
SIMPLIFIED



SIMPLIFIED CONDENSED



TABULAR CONDENSED



TABULAR

2.5.2 Clerk assignment

The clerk data can be assigned to the preset key for clerk operation

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
1 Set Preset key assignment	(5) [X]	S5-	PS ASn	0						
		K Asn: PLU# & PS KEY								
2 Enter Clerk code assignment	[★]	S5-1	CL ASn	0						
		CK ASN: CLERK# & PS								
3 Enter Clerk data stored in the Clerk File	(3) (7)	S5-1	CL ASn	37						
		CK ASN: CLERK# & PS								
4 Store Clerk data for preset key No. "56" *	[ ]	S5-1	CL ASn	0						
		CK ASN: CLERK# & PS								
5 Enter Clerk data not stored in the Clerk File	(5) (5)	S5-1	CL ASn	55						
		CK ASN: CLERK# & PS								
6 Store Clerk data for preset key No. "57" Beep sound	[ ]	S5-1	CL ASn	55						
		Error Message								
		S5-1	CL ASn	0						
		CK ASN CLERK# & PS								
8 Enter Preset key assignment	[★] [★]	S5-1	F ASn	0						
		F.ASN (*****) PS/(*)								

*) If a clerk is assigned to a Preset key, this key can not be used for PLU data

2.5.3 Function Key Assignment

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
S - MODE	Ⓜ Ⓜ	P1	SCL	0					o	
		SET SCROLL# 0 - 4								
Enter Preset Key assign mode	5 X	S5-	PS ASn	0					o	
		K ASN: PLU # & PS. KEY								
Enter Clerk assign mode	★	S5-1	CL ASn	0					o	
		CK ASN: CLERK # & PS								
Enter Function assign mode	★	S5-2	F ASn	0					o	
		F ASN (DEL) PS / PRT								
Function PACK	X	S5-2	F ASn	1					o	
		F ASN.(PACK) PS / PRT								
PACK function is assigned to preset key #1	1	S5-2	F ASn	0					o	
		F ASN (PACK) PS / PRT								
Function ADV MSG	X X	S5-2	F ASn	2					o	
		F. ASN (ADV) PS / PRT								
ADV MSG function is assigned to Preset key #7	7	P5-2	F ASn	Adv 2					o	
		F ASN (ADV) PS / PRT								
Function PRICE	X X X	P5-2	F ASn	Adv 3					o	
		F ASN (PRICE) PS/PRT								
Assign price to preset key #56	56	P5-2	F ASn	Adv 3					o	
		F ASN (PRICE) PS/PRT								
Function NET CONTENT	X X X X	P5-2	F ASn	Adv 4					o	
		F ASN (NET CONTENT) PS / PRT								
Assign NET CONTENT to Preset key #57	57	P5-2	F ASn	Adv 4					o	
		F ASN (NET CONTENT) PS PRT								

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
Press Void will decrease the function number	VOID	S5-2	F ASn	1					o	
		F ASN (PACK) PS / PRT								
Function DEI	X X X X X	S5-2	F ASn	0					o	
		F ASN (DEL) PS / PRT								
To delete function from Preset key #1	1	S5-2	F ASn	0					o	
		F ASN (DEL) PS / PRT								

L1 - ZERO
L2 - TARE
L3 - R MODE
L4 - X MODE
L5 - S MODE
L6 - Z MODE

2.6 SHOP NAME

Max. 32 shop names, 2 lines, 100 letters per line. Shop name is the store name print when pre-printing of the store name is not provided. Shop name is printed top of the receipt, or bottom of the label (depends on label print format). The default data can be set in the user specification and this data is printed on the label (by spec. 22) in Registration mode, and on the receipt (by spec. 24). Shop name does not print if there is no print area in the selected print format of the PLU or default print format, and the spec. setting by spec. 36 in the user specification.

2.6.1 Program Shop Name File

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
1. S-Mode	Ⓜ Ⓜ	S1-	SCL	0						
		SET SCROLL # :0 - 4								
2. Select Shop name Programming	6 X	P6-	SHOP							
		SHOP: SHOP # & PRT								
3. Enter Shop name code data Ex. "25"	2 5	P6-	SHOP	25						
		SHOP: SHOP # & PRT								
4. Store Shop name code Ex. "25"	*	C01.01	A - -	S50 35						

* If necessary, you can change letter size for Shop name as below.

- By preset key "65" letter size can be changed.

S1 64 — the smallest, 64 letters
S2 55 — smaller size, 55 letters
S3 48 — small size, 48 letters
S4 48 — small size, 48 letters
S5 35 — middle size, 35 letters

M1 32 — middle size, 32 letters
M2 27 — large size, 27 letters
M3 24 — large size, 24 letters
M4 24 — larger size, 24 letters
M5 17 — the largest, 17 letters

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
5. Enter Shop name "DIGI STORE" for the code "25"	(0)(4) for D	S01 02	A - 04 -	S50 34						
		D								
	(0)(9) for I	S01 03	A - 09 -	S50 33						
		D1								
	(0)(7) for G	S01 04	A - 07 -	S50 32						
		DIG								
	• • •									
	• • •									
	(1)(5) for O	S01 09	A - 15 -	S50 27						
		DIGI STO								
	(1)(8) for R	S01 10	A - 18 -	S50 26						
		DIGI STOR								
	(0)(5) for E	S01 11	A - 05 -	S50 25						
		DIGI STORE								
6. Store Shop name code "25" for DIGI STORE	[#]	P6-	SHOP	0						
		SHOP SHOP # & PRT								

*) The Shop name code is 2 digits max

2.6.2 Delete Shop Name File

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
1.	6 [X]	P6-	SHOP	0						
		SHOP SHOP # & PRT								
2. Enter No. to be deleted. Ex. "25"	(2)(5)	P6-	SHOP	25						
		SHOP SHOP # & PRT								
3. Delete the data	[#]		dELETE							
		DELETE ? Y(C) / N(#)								
4. Select "C" for YES	(C)	P6-	SHOP	0						
		SHOP SHOP # & PRT								

2.7 Special Message

Max. 16 special messages, 8 lines, 16 letters per line. Special message is the sales promotional description on the label or receipt such as "15 % OFF !" or "COLORED EGG FOR EASTER !" or " THANK YOU CALI AGAIN!" which can be assigned in each PLU. Special message is printed on the label or receipt if the selected print format has the print area. The default data of the special message must be assigned in the user specification, SP Message for label by spec. 23 and for receipt spec. 25.

2.7.1 Program Special Message File *

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
1. S Mode	Ⓜ Ⓜ	P1-	SCL	0						
		SET SCROLL # :0 - 4								
2. Select Special message Programming	7 X	P7-	SP MES	0						
		SP MSG SP MSG# & PRT								
3. Enter Special message code Ex. "36"	3 6	P7-	SP MES	36						
		SP MSG SP MSG# & PRT								
4. Store data for Special message No. "36"	★	P7-1	L.For	A 1						
		LABEL FORMAT A								
5. Press the key to search forward or backward for required format	→ or ←	P7-1	L FOR	F1 17						
		LABEL FORMAT: F1								
6. Select label format	★	C01 01	A - -	MIO 16						

* Formats (F1 to F8), if programmed are available for data entry while formats A, C, T1-T12 are not valid.

If necessary, you can change letter size for Special message as below if F1 has special message area.

By preset key "65" letter size can be changed.

S1 70 — the smallest, 70 letters
S2 60 — smaller size, 60 letters
S3 53 — small size, 53 letters
S4 53 — small size, 53 letters
S5 38 — middle size, 38 letters
M1 35 — middle size, 35 letters
M2 30 — large size, 30 letters
M3 26 — large size, 26 letters
M4 26 — larger size, 26 letters
M5 19 — the largest, 19 letters

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
7. Enter Special message "15%OFF" for Special message code "36"	(3) (1) for 1	S01.02	A - 31 -	S50 37						
		1								
	(3) (5) for 5	S01.03	A - 35 -	S50 36						
		15								
	(4) (5) for %	S01.04	A - 45 -	S50 35						
		15%								
	(0) (0) for _	S01.05	A - 00 -	S50 34						
		15%								
	(1) (5) for O	S01.06	A - 15 -	S50 33						
		15% O								
	(0) (6) for F	S01.07	A - 06 -	S50 32						
		15% OF								
	(V) (6) for F	S01.08	A - 06 -	S50 31						
		15% OFF								
8. Store Special message code "36" for "15% OFF"	[illegible]	S7-	SP MES	0						
		SP MSG SP MSG # & PRT								

2.7.2 Delete Special Message File

OPERATION	KEYS	DISPLAY			I 1	I 2	I 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
	(7) (X)	P7-	SP MES	0						
		SP MSG SP MSG # & PRT								
Enter Key to be deleted. Ex. "36"	(3) (6)	P7-	SP MES	36						
		SP MSG SP MSG # & PRT								
Delete the data	[illegible]		dELEtE							
		DELETE ? Y(C) N(#)								
Select C for YES	(C)	P7-	SP MES	0						
		SP MES SP MSG # & PRT								

2.8 INGREDIENT FILE

Max. 16 ingredients, 25 lines, 100 letters per line. Ingredients are the food additives in the item, such as seasonings, flavors, spices, etc. Ingredients are printed on the label if the selected print format has print area. The data must be assigned or programmed in the PLU.

2.8.1 Program Ingredient File

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
1. S Mode	(M) (M)	S1-	SCL	0						
		SET SCROLL # 0 - 4								
2. Select Ingredient Programming	(1) (0) (X)	S10	InG	0						
		INGRD	INGRD #	& PRT						
3. Enter Ingredient code Ex. "47"	(4) (7)	S10-	InG	0						
		INGRD	INGRD #	& PRT						
4. Store data for Ingredient code "47"	(*)	I01 01	A - -	S50 35						
		INGRD	INGRD #	& PRT						
5. Press the key to search forward or backward for required format	↑ or ↓	P7-1	L FOR	F1 17						
		LABEL FORMAT: F1								
6. Select label format	(*)	C01 01	A - -	M10 16						

If necessary, you can change letter size for Ingredient as below

- By preset key "65", letter size can be changed

S1 64 — the smallest, 64 letters
S2 55 — smaller size, 55 letters
S3 48 — small size, 48 letters
S4 48 — small size, 48 letters
S5 35 — middle size, 35 letters
M1 32 — middle size, 32 letters
M2 27 — large size, 27 letters
M3 24 — large size, 24 letters
M4 24 — larger size, 24 letters
M5 17 — the largest, 17 letters

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
7 Enter Ingredient name "SPICES" for Ingredient code "47"	(1) (9) for S	101.02	A - 19 -	$50 34						
		S								
	(1) (7) for P	101.03	A - 17 -	$50 33						
		SP								
	(0) (9) for I	101.04	A - 09 -	$50 32						
		SPI								
	(0) (3) for C	101.05	A - 03 -	$50 31						
		SPIC								
	(0) (5) for E	101.06	A - 05 -	$50 30						
		SPICE								
	(0) (9) for S	101.07	A - 19 -	$50 29						
		SPICES								
8 Store Ingredient name code "47" for "SPICES"	[ENTER]	$10-	InG	0						
		INGRD INGRD # & PRT								

2.8.2 Delete Ingredient File

OPERATION	KEYS	DISPLAY			I 1	I 2	I 3	I 4	L 5	L 6
			UNIT PRICE	PRICE						
Select Ingredient Programming	(0) (0) [X]	P10-	InG	0						
		INGRD	INGRD # & PRT							
Enter No. to be deleted Ex "47"	(4) (7)	P10-	InG	47						
		INGRD	INGRD # & PRT							
Delete the data	(4)		dELEtE							
		DELETE ? Y(C) N(#)								
Select "C" for "YES"	(C)	P10-	InG							
		INGRD	INGRD # & PRT							

2.9 TEXT FILE

Max 20 texts. TEXT is the short description used for printed factors such as "UNIT PRICE" "USED BY" which can be set in Free Format (F1 to F8)

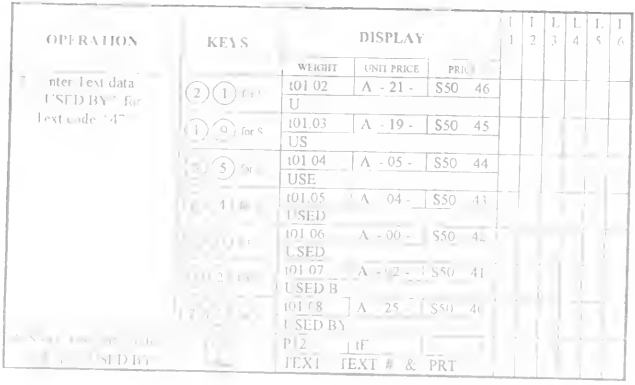
2.9.1 Program Text File

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
1 S-Mode	Ⓜ Ⓜ	S1-	SCL	0						
		SET SCROLL # : 0 - 4								
2 Select Text data Programming	① ② X	P12-	tE							
		TEXT: TEXT # & PRT								
3 Enter Text data code Ex "58"	⑤	P12-	tE	5						
		TEXT: TEXT # & PRT								
4 Store data for text code "58"	★	S1-	SCL	0						
		SET SCROLL # : 0 - 4								
5 Press the key to search forward or backward for required format.	[illegible] or [illegible]	P7-1	L FOR	F1 17						
		LABEL FORMAT: F1								
6 Select label format	★	C01 01	A - -	MIO 16						

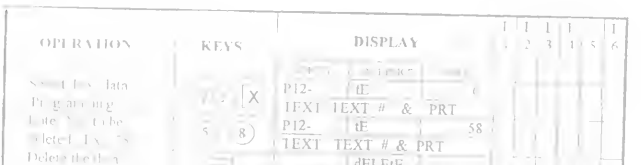
If necessary, you can change letter size for Ingredient as below

By preset key "65" letter size can be changed

S1 86 — the smallest, 86 letters
S2 74 — smaller size, 74 letters
S3 65 — small size, 65 letters
S4 64 — small size, 64 letters
S5 47 — middle size, 47 letters
M1 43 — middle size, 43 letters
M2 37 — large size, 37 letters
M3 32 — large size, 32 letters
M4 32 — larger size, 32 letters
M5 23 — the largest, 23 letters



9.2 Delete Text File



2.10 SCROLL MESSAGE

Max 9 scroll messages, 255 letters per line Scroll message is the sales promotional scroll message on the display The scroll messages are used in the Registration mode when the batch file of the scroll message has been properly set by scroll sequence programming mode

2.10.1 Program Scroll Message File

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
1 S Mode	Ⓜ Ⓜ	P1-	SCL	0						
		SET SCROLL #: 0 - 4								
2 Select Scroll message Programming	8 X	P8-	SC MES	0						
		SC. MSG.SC.MSG# & PRT								
3 Enter Scroll message No Ex "1"	1 ★	C01.01	A - - -	0 255						
4 Enter Scroll message THANK YOU FOR COMING TO DIGI STORE	2 0 for I	C01.02	A - 20 -	0 254						
		T								
	0 8 for H	C01.03	A - 08 -	0 253						
		TH								
	0 1 for A	C01.04	A - 01 -	0 252						
		THA								
	1 4 for N	C01.05	A - 14 -	0 251						
		THAN								
	1 1 for K	C01.06	A - 11 -	0 250						
		THANK								
	• • •									
	• • •									
	1 5 for O	C01.33	A - 15 -	0 223						
		O COMING TO DIGI STO								
	1 8 for R	C01.34	A - 18 -	0 222						
		COMING TO DIGI STOR								
	0 5 for E	C01.35	A - 05 -	0 221						
		COMING TO DIGI STORE								

- continued -

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
5 Store data for Scroll message No 1	COLOR # PLU	P8-	SC MES	0						
		SC MSG SC MSG # & PRT								
6 Enter Scroll message No Ex 2	(2) [*]	C01 01	A - -	0 255						
Enter Scroll message	(2) (0) for 1	C01 02 I	A - 20 -	0 254						
Scroll message No 2	1 (5) for 0	C01 03 TO	A - 5 -	0 253						
TODAY'S SPECIAL	[illegible] for 0	C01 04 TOD	A 04 -	0 252						
	. . .									
	1 1 2 [illegible]	C01 16 TODAY'S SPECIAL	A - 12 -	0 240						
[illegible]	[illegible]	P8-	SC MES	0						
		SC MSG SC MSG # & PRT								
Enter Scroll message No Ex 3	3 [*]	C01 01	A - -	0 255						
Enter Scroll message	0 1 8 [illegible]	C01 02 H	A - 08 -	0 254						
Scroll message No 3	[illegible]	C01 03 HA	A - 01	0 253						
HAVE A NICE SHOPPING	. . .									
	[illegible]	C01 2[illegible] HAVE A NICE SHOPPING	A 07 -	0 233						
Store data for Scroll message No 4	[illegible]	P8-	SC MES	0						
		SC MSG SC MSG # & PRT								

2.11 SCROLL SEQUENCE

4 batch files(#1 #4), 3 sequences for each batch files available. SCROLL SEQUENCE is the scroll display order of the programmed SCROLL MESSAGE. The programmed scroll sequence will be enabled when the placed weight is below 100d or less, and it will be stopped as soon as 101d or more weight is on the scale, in the REGISTRATION MODE.

OPERATION	KEYS	DISPLAY			L1	L2	L3	L4	L5	L6
		WEIGHT	UNIT PRICE	PRICE						
1 Select Scroll sequence No programming	1 X	P1-	SCL	0						
		SET SCROLL # 0 - 4								
2 Enter Scroll sequence No Ex "4"	4	P1-	SCL	4						
		SET SCROLL # 0 - 4								
3 Max 3 messages can be in one scroll sequence No	*	P1-1	SC SEt	0						
		MSG3 (3 MAX) & PRT								
4 Enter order of scroll message	1 2 3	P1-1	SC SEt	123						
		MSG3. (3 MAX) & PRT								
5 Select type of scroll display	*	P1-2	SC SEt	0						
		TYPE# 0=SC 1=BL 2=ST								
6 Select "SC" for No 1, "BL" for No 2 and "ST" for No 3 *1)	0 1 2	P1-2	SC SEt	123 012						
		TYPE# 0=SC 1=BL 2=ST								
7 Set up scroll message	CODE # PLU	P1-	SCL							
		SET SCROLL # : 0 - 4								
8 Enter Scroll # sequence	4 CODE # PLU	P1-	SCL	4						
		SET SCROLL # . 0 - 4								
Select REG mode No 1's data "THANK YOU FOR COMING DIGI STORE" starts scroll	M	0.000	0.00	0.00						
		THANK YOU FOR COMING								
10 No 2's data, "TODAY'S SPECIAL" starts blinking	M	0.000	0.00	0.00						
		TODAY'S SPECIAL								
11 No 3's data, "HAVE SHOPPING" is stable. Repeat again	M	0.000	0.00	0.00						
		HAVE A NICE SHOPPING								

*1) The display can show max 21 characters for 1=BL(Blink) and 2=ST(Sdn)

2.12 ADVERTISEMENT FILE

Max. 64 advertisements, 2 lines, 100 letters per line. ADVERTISEMENT is the sales promotional description on the label such as "MADE IN ****", "FOR BARBECUE" which is related to commodity name. ADVERTISEMENT prints only on the label in the PRE-PACK MODE if there is a print space available in the commodity name area.

2.12.1 Program Advertisement File

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
1 S Mode	(M) (M)	P1-	SCL	0						
		SET SCROLL # 0 - 4								
2 Select Advertisement Programming	(9) (X)	P9-	Ad	0						
		ADV ADVERTISE# & PRT								
3 Enter Advertisement No. Ex. "69"	(6) (9)	P9-	Ad	0						
		ADV ADVERTISE# & PRT								
4 Store data for Advertisement code "69"	(*)	C01.01	A - -	S50 72						

If necessary, you can change letter size for Advertisement as below.

(*) By preset key "65", the letter size can be changed.

1 100	the smallest,100 letters	M1 66	middle size, 66 letters
S2 100	smaller size,100 letters	M2 57	large size, 57 letters
3 100	small size,100 letters	M3 50	large size, 50 letters
S4 100	small size,100 letters	M4 50	larger size, 50 letters
S5 72	middle size, 72 letters	M5 36	the largest, 36 letters

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
5 Enter Advertisement "FOR BARBECUE" for Advertisement code "69"	(0)(6) for F	C01.02	A - 06 -	S50 71						
		F								
	(1)(5) for O	C01.03	A - 15 -	S50 70						
		FO								
	(1)(8) for R	C01.04	A - 18 -	S50 69						
		FOR								
		. . .								
		. . .								
	(0)(5) for I	C01.10	A - 05 -	S50 63						
		FOR BARBE								
	(0)(3) for C	C01.11	A - 03 -	S50 62						
		FOR BARBEC								
	(2)(1) for U	C01.1	A - 21 -	S50 61						
		FOR BARBECU								
	(0)(5) for E	C01.13	A - 05 -	S50 60						
		FOR BARBECUE								
Store Advertisement code 69"	[#]	P9-	Ad	0						
		ADV. ADVERTISE# & PRT								

7.12.2 Delete Advertisement File

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
1	(9) [X]	P9-	Ad	0						
		ADV. ADVERTISE# & PRT								
Enter No. to be deleted Ex 69"	(6)(9)	P9-	Ad	69						
		ADV. ADVERTISE# & PRT								
Delete the data	[void]		dELEtE							
		DELETE ? : Y(C) / N(#)								
Select "C" for "YES"	(C)	P9-	Ad	0						
		ADV. ADVERTISE# & PRT								

2.13 CLERK FILE

Max. 4 digits numeric code, 16 letters per clerk. CLERK is the operator of the scale. You can assign operator code or name or both.

2.13.1 Program Clerk File

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
1. S-Mode	Ⓜ Ⓜ	P1-	SCL	0						
		SFT SCROLL #:0 - 4								
2. Select Clerk name Programming	1 3 X	P13-	CL	0						
		CLK CLERK# & PRT								
3. Enter Clerk name code. Ex. "17"	1 7	P13-	CL	17						
		CLK CLERK# & PRT								
4. Store data for Clerk code "17"	★	C01.01	A - -	0 16						

CLERK # 9995 - This number will be used for "A key"
CLERK # 9996 - This number will be used for "B key"
CLERK # 9997 - This number will be used for "C key"
CLERK # 9998 - This number will be used for "D key"
CLERK # 9999 - This number will be used for the total when operator print the label without pressing the clerk key.

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
5. Enter Clerk name 'ROBERT HALL' for Clerk code "17"	(1) (8) for R	C01 02	A - 18 -	0 15						
		R								
	(1) (5) for O	C01.03	A -15 -	0 14						
		RO								
	(0) (2) for B	C01.04	A - 02 -	0 13						
		ROB								
	(0) (5) for E	C01.05	A - 05 -	0 12						
		ROBE								
	(1) (8) for R	C01.06	A - 18 -	0 11						
		ROBER								
	(2) (0) for T	C01.07	A - 20 -	0 10						
		ROBERT								
	(0) (0) for	C01.08	A - 00 -	0 9						
		ROBERT								
	(0) (8) for H	C01.09	A - 25 -	0 8						
		ROBERT H								
	(0) (1) for A	C01 10	A - 21 -	0 7						
		ROBERT HA								
	(1) (2) for I	C01.11	A - 11 -	0 6						
		ROBERT HAL								
	(1) (2) for L	C01.12	A - 01 -	0 5						
		ROBERT HALL								
6. Store Clerk name code "17"	ENTER # PLU	S13-	CL	0						
		CLK CLERK# & PRT								

2.13.2 Delete Clerk File

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
1. Select Clerk name Programming	(1) (3) [X]	P13-	CL	0						
		CLK : CLERK# & PRT								
2. Enter No. to be deleted. Ex. "17"	(1) (7)	P13-	CL	17						
		CLK . CLERK# & PRT								
3. Delete the data	CLEAR		dELEtE							
		DELETE ? Y(C) / N(#)								
4. Select 'C' for 'YES'	(C)	P13-	CL	0						
		CLK CLERK# & PRT								

2.14 WEIGHT CHECK

The Weight Check feature will be active for PLU's which are non-weigh items (oz) refer to Section (2.4.1) for PLU programming for this type of item

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
1 S-Mode	(M) (M)	P1-	SCL	0						
		SET SCROLL # : 0 - 4								
2 Weight check enable	(1) (5) (X)	P15-	wt CH	0						
		WT HK Y(1)/N(0) & PRT								
3 If Yes Enter = 1	(1) (1)	P18								
(See Note)		FREE FORMAT #1-8 & PRT								

NOTE: The tolerance for the amount of (oz) selected is determined by specification Refer to the Service Manual

2.15 PLU PROGRAM ITEM DELETE

This function will allow an item to be deleted from the PLU Programming sequence One or more items can be deleted from this sequence for ease of programming

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
1 S-Mode	(M) (M)	P1	SCL	1						
		SET SCROLL# 0-4								
2 Set PLU Item delete	(1) (6) (X)	P16	item	y-c n-0						
		PLU SEL ITEM Y(c)/N(#)								
3 Set PLU item	(C) (*) *	P16-1	item	cd 0						
		PLU CODE NUMBER								
4 Select PLU item for sequence 0 Yes 1 No	(X)	P16-1	item	cd 1						
		PLU CODE NUMBER								
5 Store PLU Program sequence	(')	P1	SCL	1						
		SET SCROLL # 0-4								

* Press * key and the scale will toggle for all PLU items from CODE NUMBER NUTRITION FACTS Select the PLU to be deleted from PLU programming sequence

2.16 FIS/IBM KEYBOARD SELECT

Normal default of scale setup is to enable computer communication. If you wish to use the IBM keyboard, it must be selected

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
1. S-Mode	Ⓜ Ⓜ	P1-	SCL	1						
		SET SCROLL#: 0-4								
2. Select FIS/IBM	1 7 X	P17	select	y-c n-0						
		SEL FIS/IBM Y(C)/N(#)								
3. Select IBM ON	C	P17-1	select	F15						
		IBM ON/FIS OFF: PRT								
4. Select "IBM ON", key #10 IBM ON key #11 FIS ON	10	P17-1	select	Ibm						
		IBM ON/FIS OFF PRT								
5. Store IBM ON	★	P1-	SCL	1						
		SET SCROLL#: 0-4								

2.17 DISPLAYING NUMBER OF PROGRAMMED & REMAINING PROGRAMMABLE PLU

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
S-Mode	Ⓜ Ⓜ	P1-	SCL	0						
		SET SCROLL# 0-4								
	2 0 X	P20	*100	**L150						
		PRG & NO. of PLU LEFT								
Return to original status	X	P1-	SCL	0						
		SET SCROLL#: 0-4								

* Unit price displays the number of assigned PLU's
** Price displays the number of non-assigned PLU's

L1= ZERO Indicator
L2= TARE
L3= RMODE
L4= XMODE
L5= SMODE
L6= ZMODE

2.18 PRINT ITEM DELETE

This functions is used to prohibit printing of UNIT PRICE, TOTAL PRICE, and WEIGHT on a label/receipt in Reg. Mode. After programming, the status is applied to all PLU s.

OPERATION	KEYS	DISPLAY			L1	L2	L3	L4	L5	L6
		WEIGHT	UNIT PRICE	PRICE						
S-Mode	Ⓜ Ⓜ	P1-	SCL	0					o	
		SET SCROLL#: 0-4								
	1 9 X	P19-	SUPrE	Y-c N-0					o	
		SEL PRINT ITEM Y(c)/N(#)								
When data is set, the value is shown in the Total Price column	C	P19-1	⊔UP*	000					o	
		SEL PRINT ITEM DELETE								
0: Print 1: No print	0 1 0	P19-1	⊔UP	010					o	
		SEL PRINT ITEM DELETE								
Store item data	PLU	P1-	SCL	0					o	
		SET SCROLL # 0-4								

L1 = ZERO Indicator L2 = TARE
L3 = R MODE L4 = X MODE
L5 = S MODE L6 = Z MODE

(*) * Unit Price Column

(⊔) Stands for Weight

(U) Stands for Unit Price

(P) Stands for Total Price

2.19 Free Format Programming

2.19.1 General Information for Programming

2.19.1.1 Key Functions

a. Data length such as X position and Y position, width and height is entered by unit "mm".
b. To escape the programming operation, press the 1/4 key.
c. Selection of item data entry for programming
   * Press Preset Key #10 to decrease the item sequence and Press Preset Key #11 to advance the item sequence
d. Test printing of a programmed free format label. (See paragraph 2.19.2.6)
e. To store the free format label data, press PLU key when "P18-3" or "P18-4" is displayed on Weight Display column.

2.19.1.2 ITEM Data for Variable Data Label

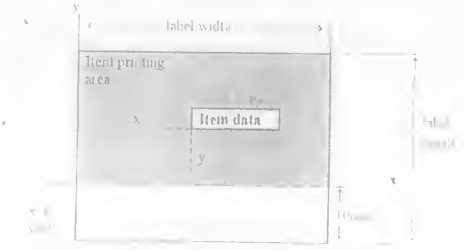
Item Data	Data Base*
1. PLU #	TYPE 1
2. PRICE	TYPE 1
3. COMMODITY NAME	TYPE 2
4. BAR CODE	TYPE 3
5. UNIT PRICE	TYPE 1
6. WEIGHT	TYPE 1
7. QUANTITY	TYPE 1
8. PACKED DATE	TYPE 1
9. PACKED TIME	TYPE 1
10. QUANTITY SYMBOL	TYPE 1
11. SELL BY DATE	TYPE 1
12. SELL BY TIME	TYPE 1
13. USED BY TIME	TYPE 1
14. TARE WEIGHT	TYPE 1
15. SHOP NAME	TYPE 2
16. FRAME 1	TYPE 4
17. FRAME 2	TYPE 4
18. IMAGE DATA	TYPE 2
19. SPECIAL MESSAGE	TYPE 2
20. SELL BY TERM	TYPE 1
21. USED BY TERM	TYPE 1

Item Data	Data Base
22. CLERK CODE	TYPE 1
23. TEXT 1	TYPE 2
24. TEXT 2	TYPE 2
25. TEXT 3	TYPE 2
26. TEXT 4	TYPE 2
27. TEXT 5	TYPE 2
28. TEXT 6	TYPE 2
29. TEXT 7	TYPE 2
30. TEXT 8	TYPE 2
31. TEXT 9	TYPE 2
32. TEXT 10	TYPE 2
33. TEXT 11	TYPE 2
34. TEXT 12	TYPE 2
35. TEXT 13	TYPE 2
36. TEXT 14	TYPE 2
37. TEXT 15	TYPE 2
38. TEXT 16	TYPE 2
39. TEST PRIN	TYPE 2

9.1.3 Pring Position and Print Angle

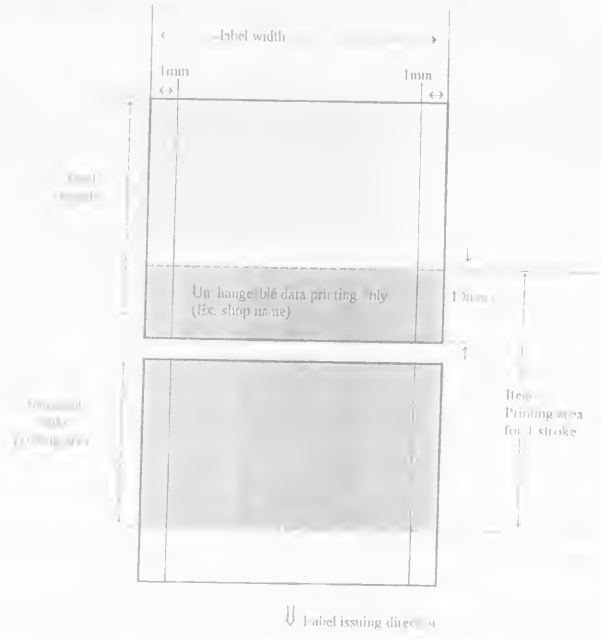
A. Print Position

The printing position of each item data is decided with x and y. When the x and y values should be the distance from x to y to the point you want to place the item data. The system system of the label you be only used for Shop Name in the prints.



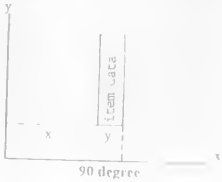
8. Item Print Area

The item data can not be printed on the bottom 10 mm of the label.
Also the item data should not be printed within 1mm from the edge of the label.
Please see the drawing below.



C. Print Angle

Commonly name, print and most of the item data can be printed in 4 different angles, 0 degree, 90 degree, 180 degree and 270 degree. Bar code can be printed in only 2 angles, 0 degree and 180 degree. The printing position is differ among the different angles.



2.19.1.4 ITEM Data for Total Label

Item Data	Data Base
1 PLU #	TYPE 1
2 PRICE	TYPE 1
3 BAR CODE	TYPE 3
4 PACKED DATE	TYPE 1
5 WEIGHT	TYPE 1
6 PACKED QUANTITY	TYPE 1
7 QUANTITY SYMBOL	TYPE 1
8 PACKED TIME	TYPE 1
9 ALL TOTAL	TYPE 1
10 CLERK CODE 2	TYPE 1
11 TEXT 17	TYPE 2
12 TEXT 18	TYPE 2
13 TEXT 19	TYPE 2
14 TEXT 20	TYPE 2
15 TEST PRINT	

2.19.1.5 Data Base Type *3)

	TYPE 1	TYPE 2	TYPE 3	TYPE 4
X position	O	O	O	O*
Y position	O	O	O	O *1)
Angle	-	O	O *2)	-
Status	-	O	O	O
Character size	X	X	X	X
Width	X	O	X	X
Height	X	O	O	X

*1) TYPE 4 is only available for Item Data FRAME 1 and FRAME 2. Each two data for X position and Y position exists.

*2) The angle can be selected between 0 degree or 180 degree.

*3) O- Item data programming is available
X- Item data programming is **NOT** available
Ex: Type 1. The item data programming for X/Y position, Angle, Status, Character, Size is available while the Width and Height is not.

2.19.2 Free Format Programming Operation

2.19.2.1 Initial Setup

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
S Mode	(M) (M)	S1-	SCL	0					o	
		SET SCROLL # 0-4								
1 Select Programming Mode	(1) (8) [X]	P18-	F F□t	0					o	
		FREE FMT #1-8 & PRT								
2 Start Programming	(1) [*]	P18-1	COP	OtHEr					o	
		COPY FORMAT ?Y(c)/N(#)								
3 Select Yes 1*	(C)		COP	0					o	
		NON COPY FORMAT &PRT								
4 Press Preset [illegible] to select format to copy (Ex F 5)	[illegible]		COP	9					o	
		COPY FORMAT 15 & PRT								
5 Format is selected	[*]	P18-2	L SIZE						o	
		SET LBL SIZE PRT								
6 Set label width (Ex No Change)	[*]	P18-2	WidtH	60					o	
		WIDTH 40-60 MM & PRT								
Set label height (Ex No Change)	[*]	P18-2	HEIGHt	43					o	
		HEIGHT 28-120MM & PRT								
8 Set degree of print	[*]	P18-2	ANGLE	0					o	
		0 0 1 90 2=180 3=270								
9 Select type of label format Item or Total (Select Item)	[*]	P18-3	tYPE	0					o	
		0=ITEM 1=TOTAL& PRT #								
10 Keep default setting [illegible] field [illegible]	[*]	P18-4	PLU	1					o	
		PLU # → PRT								

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
11 Store F F #1 data	CODE # PLU	S18-	F FMT	0					o	
		FREE FMT: #1-8 & PRT								

L1 = ZERO Indicator L2 = TARE
L3 = R MODE L4 = X MODE
L5 = S MODE L6 = Z MODE

1* Press **PLU** key when "COPY" is not selected to enter all item data

2* The items listed in para 2-19-1-2 will be selected as Preset Key **#10** and **#11** is pressed Press **PRINT** key to modify, change or move item in the Free Format

3* Refer to following samples for items to be modified in the Free Format Repeat the procedures for similar items which are required.

4* To select the Print **STATUS** from **ALL PRINT** to **NO PRINT** press Preset Key #10 or #11 to elect the required type

2.19.2.2 Sample Operation Type 1 Data (Numeric Item)

OPERATION	KEYS	DISPLAY	L1	L2	L3	L4	L5	L6
		WEIGHT / UNIT PRICE / PRICE						
		P18-4 PLU 1						
		PLU# -> / PRT						
1. Enter PLU #	[PRINT]	S MM 49						
	[PRINT]	X (MM) & PRT						
		y MM 19						
2. Shift printing position for PLU # upwards	[0][0][PRINT]	Y (MM) & PRT						
		AnGLE 0						
	[PRINT]	0.0, 1.90, 2.180, 3.270						
		StAtUS						
Select "7 ALL PRINT"	[PRINT]	7 ALL PRINT						
		CHSIZE M1						
	[PRINT]	CHSIZE SIZE KEY & PRT						
		P18-4 PLU 1						
		PLU# -> / PRT						

2.19.2.3 Sample Operation Type 3 Data (Bar Code)

OPERATION	KEYS	DISPLAY	L1	L2	L3	L4	L5	L6
		WEIGHT / UNIT PRICE / PRICE						
		P18-4 PLU 1						
		PLU# -> / PRT						
1. Enter PLU # (Enter [X] for non-coded item)	[X]	P18-4 b CodE 4						
Skip to [PRINT] if not changing	[PRINT]	BAR CODE -> <- PRT						
		S MM 2						
	[PRINT]	X (MM) & PRT						
		y MM 0						
	[PRINT]	Y MM & PRT						
		H MM 17						
	[PRINT]	H (MM) & PRT						
3. Change the angle of Bar Code	[PRINT]	AnGLE 0						
4. Select Angle (0 degree)	[PRINT]	0.0 2.180 & PRT						
		StAtUS 7						
		7 ALL PRINT						
PRINT for 0 degree PRINT for 180 degree								
	[PRINT]	P18-4 b CodE 4						
		BAR CODE -> <- PRT						

2.19.2.4 Sample Operation Type 4 Data (Frame Data)

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
		P18-4	b. CodE	4						
		BAR CODE -> <- / PRT								
1 Select frame 1 programming	①Ⓟ [X]	P18-4	FrAME1	16						
		FRAME1: -> <- / PRT								
2 Start the programming	[PRINT]		S1 MM	0						
		X1 (MM) & PRT								
3 Store the starting point of the line	③Ⓟ [PRINT]		y1 MM	0						
		Y1 (MM) & PRT								
	Ⓑ [PRINT]		S2 MM	0						
		X2 (MM) & PRT								
4 Store the finish point of the line	⑥Ⓟ PRINT]		y2 MM	0						
		Y2 (MM) & PRT								
	Ⓑ [PRINT]		t MM	0						
		T (MM) & PRT								
	Ⓘ [PRINT]		AnGLE	0						
		0.0, 1.90, 2.180, 3.270								
	[PRINT]		StAtUS	0						
		0 NO PRINT								
Select frame 1 ALL PRINT	Ⓟ [PRINT]	P18-4	FrAME1	16						
		FRAME1: -> <- / PRT								

2.19.2.5 Sample Operation Type 2 Data (Ingredient Data)

OPERATION	KEYS	DISPLAY	L1	L2	L3	L4	L5	L6
		WEIGHT / UNIT PRICE / PRICE						
		P18-4 FrAME1 16						
1. Select Ingredient Programming Mode	6 [X]	FRAME1 -> <- / PRT						
2. Start the programming	[PRINT]	P18-4 InGrEd 18						
	[PRINT]	INGR -> <- / PRT						
	[PRINT]	S MM 0						
	[PRINT]	X (MM) & PRT						
	[PRINT]	y MM 0						
	[PRINT]	Y (MM) & PRT						
	[PRINT]	AnGLE 0						
	[PRINT]	0, 1.90, 2.180, 3.270						
	[PRINT]	W MM 0						
	[PRINT]	W (MM) & PRT						
	[PRINT]	H MM 0						
Selection for No Print	[PRINT]	H (MM) & PRT						
	[PRINT]	StAtUS 0						
	[PRINT]	0: NO PRINT						
		P18-4 InGrEd 18						
		INGR -> <- / PRT						

2.19.2.6 Test Printing of Item Label After Programming

OPERATION	KEYS	DISPLAY	L1	L2	L3	L4	L5	L6
		WEIGHT / UNIT PRICE / PRICE						
		P18-4 PLU 1						
1. Select Test Printing Mode	9 [X]	PLU# -> / PRT						
2. Start the printing	[PRINT]	PrInt 39						
		TEST PRINT PRT						
		StAtUS 1						
		1: 1ST PRICE PRT ONLY						
	3 [PRINT]	P18-4 PLU 1						
		PLU# -> PRT						

2.19.2.7 Test Printing of Total Label After Programming

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
		P18-4	PLU	1						
		PLU#:	-> / PRT							
1 Select Test Printing Mode	⑥⑦ [X]		PrInt	15						
2 Start the printing	[PRINT]	TEST PRINT:	PRT							
			StAtUS	1						
	⑦ [PRINT]	1: 1ST PRICE PRT ONLY								
		P18-4	PLU	1						
		PLU#:	-> / PRT							

2.19. Operational Sample (For Label Format U6)

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
		0.000	0.00	0.00						
1. Select the Programming Mode	[M]	PI-	MG	1						
	[REZERO]	MG 1 - DARY 4 = TERM								
	[M]	PI-	SCL	0						
		SET SCROLL # 0 - 4								
2. Select Free Format Programming Mode	[X]	PI8-	F FMt	0						
		FREE FMT #1 8 & PRT								
3. Start Data entry	[PRINT]	PI8-1	CoP	ou ar						
		COPY FMT ? Y(C) / N(#)								
	[#]	PI8-2	L SIZE							
		SET LBL SIZE PRT								
	[PRINT]	PI8-2	WIdtH							
		WIDTH 40 - 60MM & PRT								
ex. Label width 60mm	[PRINT]	PI8-2	HEIGHt							
		HEIGHT 28 - 120MM & PRT								
ex. Height 120mm	[PRINT]	PI8-2	AnGLE	0						
		0, 90, 180, 270								
ex. Angle 0	[PRINT]	PI8-3	tyPE	0						
		0 - TF 1 - TOTAL & PRT ? #								
Programming of Item Level	[PRINT]	PI8-4	PLU	1						
		PLU# -> ? PRT								
PLU# Programming	[X]	PI8-4	PrICE	2						
		PRICE > <- PRT								
Start Programming of Label Format Data	[PRINT]	S MM 0								
		X(MM) & PRT								
Set X-axis	[PRINT]	MM 1								
		Y(MM) & PRT								
Set Y-axis	[PRINT]	AnGLE 0								
		0, 90, 180, 270								
Select Auto Print	[PRINT]	StAtUS 0								
		0 - NO PRINT								
Select Font Size	[PRINT]	CHSIZE 51								
		CHSIZE - SIZE KEY & PRT								
[ ] Data Clear	[ ]	PI8-	DEF							
[ ] Data Clear	[ ]	PI8-	>	PRT						

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
5. Select Commodity Name entry Mode	[11]	P18-4	C nAME	3						
		COM NAME -> <- / PRT								
6. Start the programming	[PRINT]		S MM	0						
		X(MM)	& PRT							
	④⑦ [PRINT]		y MM	0						
		Y(MM)	& PRT							
	⑧② [PRINT]		AnGLE	3						
		0.0, 1.90, 2.180, 3.270								
	[PRINT]		W MM	0						
		W(MM)	& PRT							
	③ [PRINT]		H MM	0						
		H(MM)	& PRT							
	⑨⑨ [PRINT]		StAtUS	0						
		0. NO PRINT								
	⑦ [PRINT]	P18-4	C nAME	3						
		COM NAME -> <- / PRT								
7. Select Bar Code entry Mode	[11]	P18-4	b CodE	4						
		BAR CODE -> <- / PRT								
8. Start the programming	[PRINT]		S MM	0						
		X(MM)	& PRT							
	⑨⑦ [PRINT]		y MM	0						
		Y(MM)	& PRT							
	⑨⑧ [PRINT]		H MM	0						
		H(MM)	& PRT							
	①② [PRINT]		AnGLE	0						
		0.0 2.180	& PRT							
Select angle ex. 0 degree	[PRINT]		StAtUS	0						
		0. NO PRINT								
	[PRINT]	P18-4	b CodE	4						
		BAR CODE -> <- / PRT								

(Unit Price and Weight data)

OPERATION	KEYS	DISPLAY			I 1	I 2	I 3	L 4	I 5	I 6
		WEIGHT	UNIT PRICE	[illegible]						
9 Select Unit Price data entry Mode	[11]	P18-4	U PrIC	5						
		UNIT PR.	-> <- / PRT							
10 Start the programming	[PRINT]		S MM	0						
		X(MM)	& PRT							
	②[PRINT]		y MM	0						
		Y(MM)	& PRT							
	⑥⑧ [PRINT]		AnGLE	[illegible]						
		0 0, 1 9[illegible], 2 180, 3 27[illegible]								
	[PRINT]		StAtUS	[illegible]						
		0 NO PRINT								
	⑤ [PRINT]		CHSIZE	S1						
		CHSIZE SIZE KEY & PRT								
Select S5 for character size	[65] 4 times [PRINT]	P18-4	U PrIC	5						
		UNIT PR.	-> <- / PRT							
11 Select Weight data entry Mode	[11]	P18-4	WEIGHt	6						
		WEIGTH	-> <- / PRT							
12 Start the programming	[PRINT]		S MM	0						
		X(MM)	& PRT							
	②[PRINT]		y MM							
		Y(MM)	& PRT							
	③③ [PRINT]		AnGLE	3						
		0 [illegible], 1 90, 2 180, 3 270								
	[PRINT]		StAtUS	0						
		0 NO PRINT								
Select [illegible] 1st and 2nd [illegible]	③ [PRINT]		CHSIZE	S1						
		CHSIZE SIZE KEY & PRT								
Select S5 for character size	[65] 4 times [PRINT]	P18-4	WEIGHt	6						
		WEIGTH	-> <- / PRT							

(Quantity and Quantity Symbol)

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
13 Select Quantity data entry Mode	[11]	P18-4	qty	7						
		QUANTITY: -> <- / PRT								
14 Start the programming	[PRINT]		S MM	0						
		X(MM) & PRT								
	③[PRINT]		y MM	0						
		Y(MM) & PRT								
	⑤⑥ [PRINT]		AnGLE	3						
		0.0, 1·90, 2·180, 3.270								
	[PRINT]		StAtUS	0						
		0. NO PRINT								
Selection for Non-weighing item print	④ [PRINT]		CHSIZE	S1						
		CHSIZE SIZE KEY & PRT								
	[65] 4 times [PRINT]	P18-4	qty	7						
		QUANTITY: -> <- / PRT								
15 Select Quantity Symbol data entry Mode	⑩ [X]	P18-4	qty Sb	10						
		QTY SYM -> <- / PRT								
16 Start the programming	[PRINT]		S MM	0						
		X(MM) & PRT								
	②[PRINT]		y MM	0						
		Y(MM) & PRT								
	③⑦ [PRINT]		AnGLE	3						
		0.0, 1·90, 2·180, 3.270								
	[PRINT]		StAtUS	0						
		0. NO PRINT								
	[PRINT]		CHSIZE	S1						
		CHSIZE SIZE KEY & PRT								
	[65] 4times [PRINT]	P18-4	qty Sb	10						
		QTY SYM -> <- / PRT								

[illegible] Name)

OPERATION	KEYS	DISPLAY								
		[illegible]	[illegible] PRICE	[illegible]						
17 Select Sell by date programming Mode	[illegible]	P18-4	S dAtE	[illegible]						
		SELL DATE -> <- / PRT								
18 Start the program[illegible]	[PRINT]		S MM	0						
		X(MM)	& PRT							
	[illegible][PRINT]		[illegible] MM	[illegible]						
		Y(MM)	& PRT							
	[illegible] [PRINT]		AnGLE	[illegible]						
		[illegible] 1 [illegible] 2 180 3 27[illegible]								
	[illegible]		StAtUS	[illegible]						
		[illegible] PRINT								
	[illegible]		CHSIZE	[illegible]						
		CHSIZE S Z[illegible] KEY & PRT								
	[illegible]	P18-4	S dAtE	[illegible]						
	[illegible]	SELL DATE -> <- [illegible]								
[illegible]	[illegible]	[illegible]	S [illegible]AME	[illegible]						
		[illegible] NAME -> <- [illegible] PRT								
	[illegible]		S [illegible]MM	[illegible]						
		X(MM)	& PRT							
	[illegible]		[illegible] MM	[illegible]						
		Y(MM)	& PRT							
	[illegible]		AnGLE	[illegible]						
	[PRINT]	[illegible] 2 18[illegible] 3 27[illegible]								
	[illegible] [PRINT]		[illegible] MM	[illegible]						
		W(MM)	& PRT							
	[illegible] [PRINT]		[illegible] MM	[illegible]						
		U(MM)	& PRT							
	[illegible] [PRINT]		StAtUS	[illegible]						
		[illegible] NO PRINT								
	[illegible] [PRINT]	P18-4	S nAM[illegible]	[illegible]						
		SHOP NAM[illegible] -> <- [illegible] PRT								

(Ingredient description and Text)

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
21 Select Ingredient programming Mode	①⑥ [X]	P18-4	InGrEd	18						
		INGR -> <- / PRT								
22 Start the programming	[PRINT]		S MM	0						
		X(MM) & PRT								
	⑦ [PRINT]		y MM	0						
		Y(MM) & PRT								
	⑧⑦ [PRINT]		AnGLE	3						
		0.0, 1.90, 2.18, 3.270								
	[PRINT]		W MM	0						
		W(MM) & PRT								
	⑧⑥ [PRINT]		H MM	0						
		H(MM) & PRT								
	⑨⑥ [PRINT]		StAtUS	0						
		0 NO PRINT								
	⑦ [PRINT]	P18-4	InGrEd	18						
		INGR -> <- / PRT								
23 Select Text programming Mode	②③ [X]	P18-4	tI	23						
		TEXT1 -> <- / PRT								
24 Start the programming	[PRINT]		S MM	0						
		X(MM) & PRT								
	⑤ [PRINT]		y MM	0						
		Y(MM) & PRT								
	⑧⑦ [PRINT]		AnGLE	3						
		0.0, 1.90, 2.180, 3.270								
	[PRINT]		W MM	0						
		W(MM) & PRT								
	⑨⑦ [PRINT]		tI MM	0						
		H(MM) & PRT								
	⑦ [PRINT]		StAtUS	0						
		0 NO PRINT								
	⑦ [PRINT]	P18-4	tI	23						
		TEXT1 -> <- / PRT								

(Text 2 and Text 3)

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		LENGTH	UNIT PRICE	PRICE						
25. Select Text 2 programming Mode	[11]	P18-4	t2	24						
		TEXT2	> <- / PRT							
26. Start the programming	[PRINT]		S MM	0						
		X(MM)	& PRT							
	⑤ [PRINT]		y MM	0						
		Y(MM)	& PRT							
	⑩ [PRINT]		AnGLE	3						
		0, 90, 180, 270								
	PRINT]		W MM	0						
		W(MM)	& PRT							
	⑮ [PRINT]		H MM	0						
		H(MM)	& PRT							
	2 [PRINT]		StAtUS	0						
		0. NO PRINT								
	[PRINT]	P18-4	t2	24						
		TEXT2	-> <- / PRT							
27. Select Text Programming Mode	[12]	P18-4	t3	25						
		TEXT3	-> <- / PRT							
28. Start the programming	[PRINT]		S MM	0						
		X(MM)	& PRT							
	⑤ [PRINT]		y MM	0						
		Y(MM)	& PRT							
	⑩ [PRINT]		AnGLE	3						
		0, 90, 180, 270								
	[PRINT]		W MM	0						
		W(MM)	& PRT							
	⑮ [PRINT]		H MM	0						
		H(MM)	& PRT							
	2 [PRINT]		StAtUS	0						
		0. NO PRINT								
[illegible]	[13] [PRINT]	P18-4	t3	25						
		TEXT3	-> <- / PRT							

(Text 4 and Text 5)

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
29 Select Text 4 Programming Mode.	[11]	P18-4	t4	26						
		TEXT4: -> <- / PRT								
30 Start the programming	[PRINT]		S MM	0						
		X(MM) & PRT								
	⑦ [PRINT]		y MM	0						
		Y(MM) & PRT								
	⑦⑦[PRINT]		AnGLE	3						
		0.0, 1.90, 2.180, 3.270								
	[PRINT]		W MM	0						
		W(MM) & PRT								
	③ [PRINT]		H MM	0						
		H(MM) & PRT								
	② [PRINT]		StAtUS	0						
		0: NO PRINT								
	⑦ [PRINT]	P18-4	t4	26						
		TEXT4: -> <- / PRT								
31 Select Text 5 Programming Mode	[11]	P18-4	t5	27						
		TEXT5: -> <- / PRT								
32 Start the programming	[PRINT]		S MM	0						
		X(MM) & PRT								
	④ [PRINT]		y MM	0						
		Y(MM) & PRT								
	③ [PRINT]		AnGLE	3						
		0.0, 1.90, 2.180, 3.270								
	[PRINT]		W MM	0						
		W(MM) & PRT								
	④ [PRINT]		H MM	0						
		H(MM) & PRT								
	② [PRINT]		StAtUS	0						
		0: NO PRINT								
	⑦ [PRINT]	P18-4	t5	27						
		TEXT5: -> <- / PRT								

(Text 6, Test printing, and finish the data entry)

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
33 Select Text 6 Programming Mode	[11]	P18-4	t6	28						
		TEXT6: -> <- / PRT								
34 Start the programming.	[PRINT]		S MM	0						
		X(MM)	& PRT							
	② [PRINT]		y MM	0						
		Y(MM)	& PRT							
	③ [PRINT]		AnGLE	3						
		0.0, 1.90, 2.180, 3.270								
	[PRINT]		W MM	0						
		W(MM)	& PRT							
	③ [PRINT]		H MM	0						
		H(MM)	& PRT							
	② [PRINT]		StAtUS	0						
		0 NO PRINT								
	③ [PRINT]	P18-4	t6	28						
		TEXT6	-> <-	PRT						
35 Start Test printing of the programmed free format	3-5 [ ]	P18-4	PrInt	39						
		TEST PRINT	PRT							
Print weighing item label *1)	[PRINT]		StAtUS	1						
		1 1ST PRICE PRT ONLY								
	③ [PRINT]	P18-4	PrInt	39						
		TEST PRINT	PRT							
Print non-weighing item label *2)	[PRINT]		StAtUS	1						
		1 1ST PRICE PRT ONLY								
	③ [PRINT]	P18-4	PrInt	39						
		TEST PRINT	PRT							
36 Store the programmed data	[#1]	P18-	F FMt							
		FREE FMT. #1 - 8 & PRT								

Bank formats programmed on Operational Procedure

- [illegible]

- [illegible]

2.20 WINDOW FUNCTION

This function only works for satellite [illegible]

OPERATION	KEYS	DISPLAY	L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT / UNIT PRICE / PRICE						
S-Mode	Ⓜ Ⓜ	P1- SCL 0					o	
		SET SCROLL #. 0-4						
Window program sequence	2 1 ★	P21- WindoW 1					o	
		WINDOW 1-12 & PRT/#						
W1 Window #1	1 ★	P21- WindoW 1					o	
		WINDOW 1-12 & PRT/#						
S Start PLU # Start PLU # of Window #1 1	1 ★	P21-1 W1 S 1					o	
		WINDOW START PLU # & PRT						
E End PLU #	1 0 ★	P21-1 W1 S 1					o	
End PLU # of Window #1 = 10		WINDOW END PLU #& PRT						
End of window #1		P21-1 WindoW 0					o	
		WINDOW 1-12 & PRT/#						
W12 Window #12	1 2 ★	P21-1 W12 S 0					o	
		WINDOW START PLU #&PRT						
Start PLU # of Window #12 100	1 0 0 ★	P21-1 W12 E 100					o	
		WINDOW END PLU # & PRT						
End PLU # of Window #12 = 150	1 5 0 ★	P21- WindoW 150					o	
		WINDOW 1-12 & PRT/#						
Start reading PLU data from Master Scale Unit Price will display the window # Total price will display the PLU #	TARE # PLU	P21- W1 1					o	
		PROCESSING PLS WAIT						
PLU reading completed		P21- WindoW 1					o	
		WINDOW 1-12 & PRT/#						

2.20.1 Window Function Delete

OPERATION	KEYS	DISPLAY			L1	L2	L3	L4	L5	L6
		WEIGHT	UNIT PRICE	PRICE						
Delete data	void		DELETE						o	
		DELETE ?: Y(c) / N(#)								
If YES to delete data	C	P21-	WindoW	0					o	
		WINDOW: 1-12 & PRT/#								
If NO to delete data	4 PLU	P21-	WindoW	0					o	
		WINDOW 1-12 & PRT/#								
	1 *	S21-1	W1 S	0					o	
		WINDOW START PLU # & PRT								
To escape	1/4		ESC						o	
		ESCAPE? Y(c) / N(#)								
If YES to escape	C	S21-	WindoW	0					o	
		WINDOW 1-12 & PRT/#								
If NO to escape	4 PLU	S21-1	W1 S	0					o	
		WINDOW START PLU # & PRT								

L1 = ZERO Indicator L2 = TARE
L3 = R MODE L4 = X MODE
L5 = S MODE L6 = Z MODE

2.21 MASTER/SATELLITE GROUP SETTING

OPERATION	KEYS	DISPLAY			L1	L2	L3	L4	L5	L6
		WEIGHT	UNIT PRICE	PRICE						
S-Mode	Ⓜ Ⓜ	P1-	SCL	0					o	
		SET SCROLL # 0-4								
	2 2 X	P22	SC GrP	Y-c N-0					o	
		M/S SC GROUP Y(c)/N(#)								
IF YES	C	P22-1	SC	GP					o	
		M/S SC GROUP SETTING								
IF NO (return to start of S Mode)		P1-	SCL	0					o	
		SET SCROLL # 0-4								
Select the scale # from 1 to 64 (eg. scale #64) *	6 4 X	P22 1	SC 64	GP					o	
		M/S SC GROUP SETTING								
Enter group # (eg. group 3)	3 *	P22 1	SC 64	GP 3					o	
		M/S SC GROUP SETTING								
Assign scale #64 to group 3		P22-1	SC 1	GP 0					o	
		M/S SC GROUP SETTING								
To escape mode	#	P22-1	SC 64	GP 3					o	
		M/S SC GROUP SETTING								
To save the data	#	S1-	SCL	0					o	
		SET SCROLL # 0-4								

L1 – ZERO Indicator L2 – TARE
L3 – R MODE L4 – X MODE
L5 – S MODE L6 – Z MODE

* X will increase the scale # (1-64)
C will decrease the scale # (1-64)

2.22 PASSWORD SETTING

Password consists of max. 6 digits numeric numbers. If you want to protect some operation menu such as PROGRAM MODE from an unauthorized person, you can set a password in the menu. The menu will be accessible only by the specified person who knows the password.

2.22.1 Program password

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
Registration Mode		0.00	0.00	0.00						
1 Enter Password mode "X" sign begins to flash on/off	Ⓜ Ⓜ Ⓜ Ⓜ	PYd	0	0						
		SET PWD FOR X MODE								
2 Select "111111" as password for X mode	1 1 1 1 1 1	PYd	111111	0						
		SET PWD FOR X-MODE								
3 Set up password for "S" sign begins to flash on/off	★	PYd	0	0						
		SET PWD FOR S-MODE								
4 Select "222222" as password for S mode	2 2 2 2 2 2	PYd	222222	0						
		SET PWD FOR S-MODE								
5 Set up password for S-mode "Z" sign begins to flash on/off	★	PYd	0	0						
		SET PWD. FOR Z-MODE								
6 Select "333333" as password for Z-mode	3 3 3 3 3 3	PYd	333333	0						
		SET PWD FOR Z-MODE								
7 Set up password for Z mode "R" "X", "S" and "Z" signs begin to flash on/off	★	PYd	0	0						
		SET PWD FOR P-MODE								
8 Select "444444" as password for P-mode	4 4 4 4 4 4	PYd	444444	0						
		SET PWD FOR P-MODE								
9 Set up password for P-mode	★	0.00	0.00	0.00						

2.22.2 Password Operation

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
Registration Mode		0.00	0.00	0.00						
1 Enter X mode "X" sign lights on	Ⓜ	EntPd ENTER PWD. TO ACCESS								
2 Enter password "111111" for X-mode It's correct	1 1 1 1 1 1	EntPd ENTE PWD TO ACCESS								
3 Call up X-mode	★	rl=	M	0 MG 1=DAILY 4=TERM						
4 Enter S-mode "S" sign lights on	Ⓜ	EntPd ENTE PWD TO ACCESS								
5 Enter password 111111 for S mode It's wrong	1 1 1 1 1 1	EntPd ENTER PWD TO ACCESS								
6 Can't call up S mode	★	EntPd INVALID PASSWORD EntPd ENTER PWD TO ACCESS								
8 Enter password 222222 for S mode It's correct	2 2 2 2 2 2	EntPd ENTER PWD TO ACCESS								
9 Call up S mode	★	S1	SC1	0 SET SCROLL # 0 - 4						
10 Enter Z mode "Z" sign lights on	Ⓜ	EntPd ENTER PWD. TO ACCESS								
11 Enter password 333333 for Z mode It's correct	3 3 3 3 3 3	EntPd ENTER PWD TO ACCESS								
12 Call up Z mode	★	Z1- d D. TRANSACT PRESS PRT		0						
13 Enter P mode R "X" "S" & "Z" signs light on	Ⓜ	EntPd ENTER PWD TO ACCESS								
14 Enter password "444444" for P mode It's correct	4 4 4 4 4 4	EntPd ENTER PWD TO ACCESS								

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
15 Enter Set up mode for password	★	SEtPd	333333	333333						
		SET PWD. FOR Z-MODE								
16	★ or +A	SEtPd	222222	222222						
		SET PWD. FOR S-MODE								
17	★ or +A	SEtPd	333333	333333						
		SET PWD. FOR Z-MODE								
18	★ or +A	SEtPd	444444	444444						
		SET PWD. FOR P-MODE								
19 Enter Registration mode.	★ or +A	0.00	0.00	0.00						

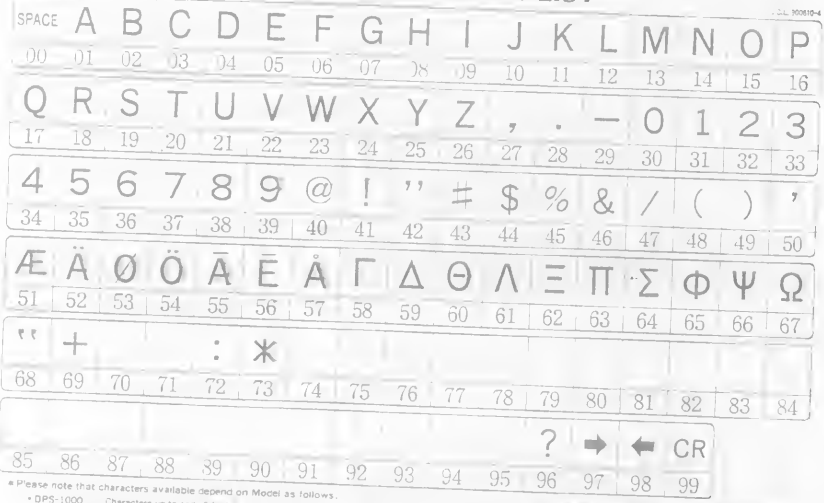
2.22.3 Change password

OPERATION	KEYS	DISPLAY			L 1	L 2	L 3	L 4	L 5	L 6
		WEIGHT	UNIT PRICE	PRICE						
1 Enter Set up mode for password.	★	SEtPd	111111	111111						
		SET PWD. FOR X-MODE								
2	★ or -A	SEtPd	222222	222222						
		SET PWD. FOR S-MODE								
3 Change password from "222222" to "111792" for S-mode	1 1 1 7 9 2	SEtPd	111792	222222						
		SET PWD. FOR S-MODE								
4 Set up new password for S mode	★	SEtPd	333333	333333						
		SET PWD. FOR Z-MODE								
5 Confirm new password for S-mode	+C	SEtPd	111792	111792						
		SET PWD. FOR S-MODE								
6 Enter Registration mode directly	+B	0.000	0.00	0.00						

2.22.4 Delete password

OPERATION	KEYS	DISPLAY			L1	L2	L3	L4	L5	L6
		WEIGHT	UNIT PRICE	PRICE						
Registration Mode		0.00	0.00	0.00						
1 Enter Set-up mode for password	★	SEtPd	111111	111111						
2 Delete password for X-mode	0	SET PWD. FOR X-MODE SEtPd	0	111111						
3 Deleted password for X-mode	★	SET PWD. FOR X-MODE SEtPd	111792	111792						
4 Delete password for S-mode	0	SET PWD. FOR S-MODE SEtPd	0	111792						
5 Deleted password for S-mode	★	SET PWD. FOR S-MODE SEtPd	333333	333333						
6 Delete password for Z-mode	0	SET PWD. FOR Z-MODE SEtPd	0	333333						
7 Deleted password for Z-mode	★	SET PWD. FOR Z-MODE SEtPd	444444	444444						
8 Delete password for P-mode	0	SET PWD. FOR P-MODE SEtPd	0	444444						
9 Deleted password for P-mode	★	SET PWD. FOR P-MODE 0.000	0.00	0.00						

CHARACTER CODE LIST



* Please note that characters available depend on Model as follows.

- DPS-1000 Characters up to code 57 (" A "), and code 99 (CR)
- SM-40, 50 Characters up to code 68 (" "), and code 99 (CR)
- 8000 series, SM-60 series, SM-15, and DP-110 includes all the characters listed.

*For information, please call: